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Continued

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D398N	V10L	F33Y	Ø	s S	တ	G86E	Н98D	R121M	W131G	Y140D
1192G>A		98T>A	102A>C	144A>C	240T>G	257G>A	292C>G	362G>T	391T>G	418T>G
1340	28	86	102	144	240	257	292	362	391	418
Nicotinic, Cholinergic receptor alpha 5	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HEA-A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I iymphocyte antigen (HLA-A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete
GEN-	GEN-SA	GEN-SA	GEN-SA	GEN-SA	GEN-SA	GEN-SA	GEN-SA	GEN-SA	GEN-SA	GEN-SA
118505	142800	142800	142800	142800	142800	142800	142800	142800	142800	142800
M83712	M84379	M84379	M84379	M84379	M84379	M84379	M84379	M84379	M84379 142800	M84379
CHRNA5	M84379	M84379	M84379	M84379	M84379	M84379	M84379	M84379	M84379	M84379

	K151N	V176E	L180W	A208P	w	ဟ	Ø	Ø	A269V	Ø
	453A>C	527T>A	539T>G	622G>C	630A>G	666A>G	762C>T	789A>G	806C>T	807G>A
	453	527	539	622	630	999	762	789	806	807
cds	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HCA- A 0201) mRNA, complete
	GEN-SA	GEN-SA	GEN-SA							
	142800	142800	142800	142800	142800	142800	142800	142800	142800	142800
	M84379 142800	M84379	M84379	M84379						
	M84379	M84379	M84379							

A270S	w	Q277E	w	L290F	w	S301A	1306V	ဟ	F318L	T323A
808G>T	819G>A	829C>G	868T>C	870G>C	900G>A	901T>G	916A>G	945G>A	952T>C	967A>G
808	819	829	868	870	006	901	916	945	952	296
Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	cds Human MHC class I
GEN-SA	GEN-SA	GEN-SA	GEN-SA	GEN-SA	GEN-SA	GEN-SA	GEN-SA	GEN-SA	GEN-SA	GEN-SA
142800	142800	142800	142800	142800	142800	142800	142800	142800	142800	142800
M84379 142800	M84379	M84379	M84379	M84379	M84379	M84379	M84379	M84379	M84379	M84379 142800
M84379	M84379	M84379	M84379	M84379	M84379	M84379	M84379	M84379	M84379	M84379

	σ	M331R	K335N	D338G	Ø	S345T	V358M	ς.	Ø	Ø	ო
	987T>C	992T>G	1005G>C	1013A>G	1029C>T	1033T>A	1072G>A	T<0(e-)	345C>A	354A>G	805C>T
	987	992	1005	1013	1029	1033	1072	46	399	408	829
lymphocyte antigen (HLA- A 0201) mRNA, complete cds	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete cds	Human MHC class I lymphocyte antigen (HLA-A 0201) mRNA, complete	Human MHC class I lymphocyte antigen (HLA- A 0201) mRNA, complete	Human adipsin/complement factor D mRNA complete cds	adipsin/complement factor	adipsin/complement factor	Human
	GEN-SA	GEN-SA	GEN-SA	GEN-SA	GEN-SA	GEN-SA	GEN-SA	GEN- 3ZL	GEN- 3ZL	GEN- 3ZL	GEN-
	142800	142800	142800	142800	142800	142800	142800	134350	134350	134350	134350
	M84379	M84379	M84379 142800	M84379	M84379 142800	M84379 142800	M84379	M84526	M84526	M84526	M84526 134350
	M84379	M84379	M84379	M84379	M84379	M84379	M84379	M84526	M84526	M84526	M84526

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837G>C	
 | | | 1101G>C | | 1390T>A | | 0.4001 | 1490A>C
 | | 1471T>C
 | | 2062G>C
 | 2089- | 2094ATATTA
>ATATTA
 | 2089-
2094delATAT | |
| 891 | | 1273 | 2045 | | 1653 | | 2599 | 9 | 8107 | 2656 | | 2745 | | 2761 | | 1142
 | | | 1176 | | 1424 | | | 1524
 | | 1614
 | | 2159
 | 2186 |
 | 2186 | |
| Human | adipsin/complement factor
D mRNA, complete cds | Interleukin 9 receptor | Human TGF-beta type II | receptor mRNA, complete cds | Human phospholipase A2 | mRNA, complete cds | Human phospholipase A2 | mKNA, complete cds | mRNA. complete cds | Human phospholipase A2 | mRNA, complete cds | Human phospholipase A2 | mRNA, complete cds | Human phospholipase A2 | mRNA, complete cds | Human monocyte antigen
 | CD14 (CD14) mRNA, | complete cds | Human monocyte antigen CD14 (CD14) mRNA. | complete cds | Human IFN-responsive | transcription factor subunit | mKNA, complete cds | Human IFN-responsive
 | transcription factor subunit | NEUROMEDIN K
 | RECEPTOR | Cyclooxygenase 2 COX2
 | Cyclooxygenase 2 COX2 |
 | Cyclooxygenase 2 COX2 | |
| GEN | 3ZL | GEN-45 | GEN- | 3Z8 | GEN. | 40Y | GEN- | 40
40
70
40
40 | 2
- 40
- √04 | GEN- | 40Y | GEN- | 40 Y | GEN | 40√ | GEN-419
 | | | GEN-419 | | GEN-443 | | | GEN-443
 | | GEN
 | 4FU | GEN-1A
 | GEN-1A |
 | GEN-1A | |
| 134350 | | 300007 | 190182 | | 601288 | | 601288 | 0000 | 901799 | 601288 | | 601288 | | 601288 | | 158120
 | | | 158120 | - | None | | | None
 | | None
 | | 600262
 | 600262 |
 | 600262 | |
| M84526 | | M84747 | M85079 | | M86400 | | M86400 | 007007 | N80400 | M86400 | | M86400 | | M86400 | | M86511
 | | | M86511 | | M87503 | | | M8/503
 | | M89473
 | | M90100
 | M90100 |
 | M90100 | |
| M84526 | | M84747 | TGFBR2 | | YWHAZ | | YWHAZ | 1 | YWHAK | YWHAZ | | YWHAZ | | YWHAZ | | M86511
 | | | M86511 | | M87503 | | | M87503
 | | M89473
 | | M90100
 | M90100 |
 | M90100 | |
| | M84526 134350 GEN- Human 891 837G>C | M84526 134350 GEN- Human 891 837G>C 32L adipsin/complement factor D mRNA. complete cds | M84526 134350 GEN- Human 891 837G>C 3ZL adipsin/complement factor D mRNA, complete cds M84747 300007 GEN-45 Interleukin 9 receptor 1273 1094G>A | M84526 134350 GEN- Human 32L adipsin/complement factor B37G>C 3ZL adipsin/complement factor D mRNA, complete cds D mRNA, complete cds 1094G>A M84747 300007 GEN-45 Interleukin 9 receptor 1273 1094G>A M85079 190182 GEN- Human TGF-beta type II 2045 1710A>C | M84526 134350 GEN- Human 891 837G>C 3ZL adipsin/complement factor D mRNA, complete cds M84747 300007 GEN-45 Interleukin 9 receptor 1273 1094G>A M85079 190182 GEN- Human TGF-beta type II 2045 1710A>C 3ZS receptor mRNA, complete cds | M84526 134350 GEN- Human 32L adipsin/complement factor B37G>C 32L adipsin/complement factor D mRNA, complete cds 1094G>A M84747 300007 GEN-45 Interleukin 9 receptor 1273 1094G>A M85079 190182 GEN- Human TGF-beta type II 2045 1710A>C 3ZS receptor mRNA, complete cds cds M86400 601288 GEN- Human phospholipase A2 1653 1569T>A | M84526 134350 GEN- Human 32L adipsin/complement factor Human Pactor B37G>C M84747 300007 GEN-45 Interleukin 9 receptor 1273 1094G>A M85079 190182 GEN- Human TGF-beta type II 2045 1710A>C 3ZS receptor mRNA, complete cds 1569T>A M86400 601288 GEN- Human phospholipase A2 1653 1569T>A A0Y mRNA, complete cds 1653 1569T>A | M84526 134350 GEN- Human 891 837G>C 3ZL adipsin/complement factor D mRNA, complete cds 1094G>A M84747 300007 GEN-45 Interleukin 9 receptor 1273 1094G>A M85079 190182 GEN- Human TGF-beta type II 2045 1710A>C M86400 601288 GEN- Human phospholipase A2 1653 1569T>A M86400 601288 GEN- Human phospholipase A2 1653 1569T>A M86400 601288 GEN- Human phospholipase A2 2599 2515C>C | M84526 134350 GEN- Human 732L Adipsin/complement factor B37G>C M84747 300007 GEN-45 Interleukin 9 receptor 1273 1094G>A M85079 190182 GEN- Human TGF-beta type II 2045 1710A>C M86400 601288 GEN- Human phospholipase A2 1653 1569T>A M86400 601288 GEN- Human phospholipase A2 1653 1569T>A | M84526 134350 GEN-
3ZL adipsin/complement factor
D mRNA, complete cds 891 837G>C M84747 300007 GEN-45 Interleukin 9 receptor
Interleukin 9 receptor
Mm85079 1273 1094G>A M85079 190182 GEN-
3ZS Human TGF-beta type II
3ZS 2045 1710A>C M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 1653 1569T>A M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2515C>G M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2619 2535A>C | M84526 134350 GEN-
3ZL adipsin/complement factor
D mRNA, complete cds 891 837G>C M84747 300007 GEN-45 Interleukin 9 receptor
Interleukin 9 receptor
M85079 1273 1094G>A M85079 190182 GEN-
40Y Human TGF-beta type II
Cds 2045 1710A>C M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 1653 1569T>A M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2515C>G M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2619 2535A>C M86400 601288 GEN-
40Y Human phospholipase A2
MRNA, complete cds 2656 2572A>C | M84526 134350 GEN-
3ZL adipsin/complement factor
D mRNA, complete cds 891 837G>C M84747 300007 GEN-45 Interleukin 9 receptor
Interleukin 9 receptor
Mm85079 1273 1094G>A M85079 190182 GEN-
40Y Human TGF-beta type II
Cds 2045 1710A>C M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 1653 1569T>A M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2619 2535A>C M86400 601288 GEN-
Human phospholipase A2
M86400 Human phospholipase A2
M86400 2619 2572A>C M86400 601288 GEN-
Human phospholipase A2
M86400 Human phospholipase A2
M86400 2656 2572A>C | M84526 134350 GEN-
3ZL adipsin/complement factor
D mRNA, complete cds 891 837G>C M84747 300007 GEN-45 Interieukin 9 receptor
Interieukin 9 receptor
MR5079 1273 1094G>A M85079 190182 GEN-
40Y Human TGF-beta type II
CGS 2045 1710A>C M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 1653 1569T>A M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2599 2515C>G M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2656 2572A>C M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2656 2572A>C M86400 601288 GEN-
Human phospholipase A2
mRNA, complete cds 2656 2572A>C | M84526 134350 GEN-
3ZL adipsin/complement factor
D mRNA, complete cds 891 837G>C M84747 300007 GEN-45 Interleukin 9 receptor
Interleukin 9 receptor
M85079 190182 1094G>A M85079 190182 GEN-
40Y Human TGF-beta type II
CdS 2045 1710A>C M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 1653 1569T>A M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2619 2535A>C M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2656 2572A>C M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2656 2572A>C M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2656 2572A>C M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2745 2661C>T | M84526 134350 GEN-
3ZL adipsin/complement factor
D mRNA, complete cds 891 837G>C M84747 300007 GEN-45 Interleukin 9 receptor
Interleukin 9 receptor
MR5079 1273 1094G>A M85079 190182 GEN-
40Y Human TGF-beta type II
CGS 2045 1710A>C M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 1653 1569T>A M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2599 2515C>G M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2656 2572A>C M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2656 2572A>C M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2745 2651C>T M86400 601288 GEN-
40Y Human phospholipase A2
MR0400 2745 2651C>T | M84526 134350 GEN-
3ZL adipsin/complement factor
D mRNA, complete cds 891 837G>C M84747 300007 GEN-45 Interleukin 9 receptor
Interleukin 9 receptor
M85079 190182 1094G>A M85079 190182 GEN-
Human TGF-beta type II
3ZS 1094G>A 1710A>C M86400 601288 GEN-
Human phospholipase A2
M86400 1653 1569T>A M86400 601288 GEN-
Human phospholipase A2
M86400 1653 1569T>A M86400 601288 GEN-
Human phospholipase A2
M86400 2619 2535A>C 40Y mRNA, complete cds
M86400 2612 2535A>C 40Y mRNA, complete cds
M86400 2745 2651C>T 40Y mRNA, complete cds
M86400 2745 2677A>C 40Y mRNA, complete cds
M86400 2761 2677A>C 40Y mRNA, complete cds
M86400 2761 2677A>C | M84526 134350 GEN-
3ZL adipsin/complement factor
D mRNA, complete cds 891 837G>C M84747 300007 GEN-45 Interleukin 9 receptor
Interleukin 9 receptor
D mRNA, complete
Cds 1273 1094G>A M85079 190182 GEN-
40Y Human TGF-beta type II
Cds 2045 1710A>C M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 1653 1569T>A M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2656 2572A>C M86400 601288 GEN-
40Y Human phospholipase A2
mRNA, complete cds 2656 2572A>C M86400 601288 GEN-
40Y Human phospholipase A2
40Y 2745 2651C>T M86400 601288 GEN-
40Y Human phospholipase A2
40Y Human phospholipase A2
40Y 2745 2651C>T M86501 158120 GEN-
40Y Human phospholipase A2
40Y 1142 1067C>A | M84526 134350 GEN-
3ZL adipsin/complement factor
D mRNA, complete cds 891 837G>C M84747 300007 GEN-45 Interleukin 9 receptor
Interleukin 9 receptor
AUMB6400 1273 1094G>A M86400 601288 GEN-
Human phospholipase A2
M86400 Human TGF-beta type II
CGS 2045 1710A>C M86400 601288 GEN-
Human phospholipase A2
M86400 Human phospholipase A2
MRNA, complete cds 1653 1569T>A M86400 601288 GEN-
Human phospholipase A2
M86400 Human phospholipase A2
MRNA, complete cds 2656 2572A>C 40Y mRNA, complete cds
M86400 Human phospholipase A2
MRNA, complete cds
M86400 2745 2661C>T 40Y mRNA, complete cds
M86400 Human phospholipase A2
MRNA, complete cds
M86411 158120 GEN-
Human monocyte antigen M86511 158120 GEN-
Human monocyte antigen 1142 1067C>A | M84526 134350 GEN-
3ZL adipsin/complement factor
D mRNA, complete cds 891 837G>C M84747 300007 GEN-45 Interleukin 9 receptor
Interleukin 9 receptor
D mRNA, complete
Cds 1273 1094G>A M85079 190182 GEN-
Human TGF-beta type II
3ZS 1094G>A 1710A>C M86400 601288 GEN-
Human phospholipase A2
M86400 Human phospholipase A2
MRNA, complete cds 1569T>A
MRNA, complete cds M86400 601288 GEN-
Human phospholipase A2
M86400 407
MRNA, complete cds 2535A>C
MRNA, complete cds M86400 601288 GEN-
Human phospholipase A2
M86400 2656 2572A>C
MRNA, complete cds M86400 601288 GEN-
Human phospholipase A2
MRNA, complete cds 2745 2651C>T
A0Y
MRNA, complete cds M86400 601288 GEN-
Human phospholipase A2
MRNA, complete cds 2745 2677A>C
A0Y
MRS410 M86511 158120 GEN-
Human monocyte antigen 1142 1067C>A
TOTA (CD14) mRNA, complete cds | M84526 134350 GEN-32L adipsin/complement factor 32L adipsin/complement factor B37G>C M84747 300007 GEN-45 Interleukin 9 receptor D mRNA, complete cds 1273 1094G>A M85079 190182 GEN- Human TGF-beta type II 3ZS 1094G>A M86400 601288 GEN- Human phospholipase A2 40Y MRNA, complete cds 1569T>A M86400 601288 GEN- Human phospholipase A2 40Y MRNA, complete cds 2515C>G M86400 601288 GEN- Human phospholipase A2 40Y MRNA, complete cds 2619 2535A>C M86400 601288 GEN- Human phospholipase A2 40Y MRNA, complete cds 2656 2572A>C M86400 601288 GEN- Human phospholipase A2 40Y MRNA, complete cds 2656 2572A>C M86400 601288 GEN- Human phospholipase A2 40Y MRNA, complete cds 2656 2572A>C M86410 601288 GEN- Human phospholipase A2 40Y MRNA, complete cds 2656 2572A>C M86411 158120 GEN-419 Human monocyte antigen complete cds 2656 2767A>C M86511 158120 GEN-419 Human monocyte antigen cds 1176 1101G>C M86511 158120 GEN-419 Human monocyte antigen cds 1176 1101G>C | M84526 134350 GEN-32L adipsin/complement factor B91 837G>C M84747 300007 GEN-45 Interleukin 9 receptor D mRNA, complete cds 1094G>A M85079 190182 GEN- Human TGF-beta type II 2045 1710A>C M86400 601288 GEN- Human phospholipase A2 A0Y Human phospholipase A2 A0Y 1569T>A M86400 601288 GEN- Human phospholipase A2 A0Y Human phospholipase A2 B0 2515C>G M86400 601288 GEN- Human phospholipase A2 A0Y Human phospholipase A2 B0 2572A>C M86400 601288 GEN- Human phospholipase A2 A0Y Human phospholipase A2 B0 2656 2572A>C M86400 601288 GEN- Human phospholipase A2 A0Y MRNA, complete cds 2656 2572A>C M86400 601288 GEN- Human phospholipase A2 A0Y MRNA, complete cds 2656 2572A>C M86400 601288 GEN- Human phospholipase A2 A0Y MRNA, complete cds 2656 2572A>C M86411 158120 GEN-419 Human monocyte antigen COD141 mRNA, complete cds 2656 2677A>C M86511 158120 GEN-419 Human monocyte antigen COD141 mRNA, complete cds 2656 2761 2677A>C M86511 158120 GEN-419 Human monocyte antigen COD141 mRNA, complete cds 2014 (CD14) mRNA, complete cds 2761 276 | M84526 134350 GEN-
32L adipsin/complement factor
D mRNA, complete cds 891 837G>C M84747 300007 GEN-45 Interfeukin 9 receptor
Interfeukin 9 receptor
Interfeukin 9 receptor
A0Y 1273 1094G>A M85079 190182 GEN-
40Y Human TGF-beta type II
M86400 2045 1710A>C M86400 601288 GEN-
40Y Human phospholipase A2
M86400 1653 1569T>A M86400 601288 GEN-
40Y Human phospholipase A2
M86400 2619 2535A>C M86400 601288 GEN-
40Y Human phospholipase A2
M86400 2745 2651C>T M86400 601288 GEN-
40Y Human phospholipase A2
M86400 2745 2651C>T M86400 601288 GEN-
40Y Human phospholipase A2
M86400 2745 2651C>T M86511 158120 GEN-419 Human monocyte antigen
complete cds 1176 1101G>C M86511 158120 GEN-419 Human monocyte antigen
complete cds 1176 1101G>C M87503 None GEN-443 Human lFN-respon | M84526 134350 GEN-32L adipsin/complement factor Human 7 GEN-45 Interleukin 9 receptor 1273 1094G>A M85079 190182 GEN-45 Interleukin 9 receptor 1273 1094G>A M85079 190182 GEN- Human TGF-beta type II 2045 1710A>C M86400 601286 GEN- Human phospholipase A2 1653 1569T>A M86400 601288 GEN- Human phospholipase A2 2599 2515C>G M86400 601288 GEN- Human phospholipase A2 2656 2572A>C M86400 601288 GEN- Human phospholipase A2 2656 2572A>C M86400 601288 GEN- Human phospholipase A2 2745 2661C>T M86400 601288 GEN- Human phospholipase A2 2745 2677A>C M86400 601288 GEN- Human phospholipase A2 2745 2677A>C M86410 601288 GEN- Human phospholipase A2 2745 2677A>C M86511 158120 GEN-419 Human monocyte antigen 1176 1101G>C | M84526 134350 GEN-32L adipsin/complement factor Human 32L Adipsin/complement factor M84747 300007 GEN-45 Interfeukin 9 receptor 1273 1094G>A M85079 190182 GEN-4 Human TGF-beta type II 2045 1710A>C 3ZS receptor mRNA, complete cds 1653 1569T>A M86400 601288 GEN-4 Human phospholipase A2 2599 2515C>G M86400 601288 GEN-4 Human phospholipase A2 2656 2572A>C M86400 601288 GEN-4 Human phospholipase A2 2761 2677A>C M86400 601288 GEN-4 Human phospholipase A2 2745 2677A>C M86511 158120 GEN-419 Human monocyte arti | M84526 134350 GEN- 32L adipsin/complement factor B37G>C M84747 300007 GEN-45 Interleukin 9 receptor Interleukin 9 receptor 1273 1094G>A M85079 190182 GEN- Human TGF-beta type II 2045 1710A>C M86400 601288 GEN- Human phospholipase A2 40Y InRNA, complete cds 1569T>A M86400 601288 GEN- Human phospholipase A2 40Y MRNA, complete cds 2515C>G M86400 601288 GEN- Human phospholipase A2 40Y MRNA, complete cds 2656 2572A>C M86400 601288 GEN- Human phospholipase A2 40Y MRNA, complete cds 2656 2572A>C M86400 601288 GEN- Human phospholipase A2 40Y MRNA, complete cds 2656 2572A>C M86400 601288 GEN- Human phospholipase A2 40Y MRNA, complete cds 2656 2572A>C M86401 601288 GEN- Human phospholipase A2 40Y MRNA, complete cds 2761 2657A>C M86511 158120 GEN-419 Human monocyte antigen complete cds A0Y CD14 (CD14) mRNA, complete cds M87503 None GEN-443 Human iFN-responsive cds Human iFN-responsive cds 1424 1390T>A M87503 None GEN-443 Human iFN-responsive cds 1524 1490A>C | M84526 134350 GEN- Human 891 837G>C M84747 300007 GEN-45 Interleukin 9 receptor 1273 1094G>A M85079 190182 GEN-4 Interleukin 9 receptor 1273 1094G>A M86400 601288 GEN- Human phospholipase A2 1569T>A 1710A>C M86400 601288 GEN- Human phospholipase A2 2619 2515C>G M86400 601288 GEN- Human phospholipase A2 2619 2535A>C M86400 601288 GEN- Human phospholipase A2 2656 2572A>C M86400 601288 GEN- Human phospholipase A2 2656 2572A>C M86400 601288 GEN- Human phospholipase A2 2745 2661C>T M86400 601288 GEN- Human phospholipase A2 2745 2661C>T M86511 158120 GEN- Human phospholipase A2 2745 2677A>C M86511 158120 GEN-419 Human monocyte antigen 1172 1067C>A M87503 None GEN-449 <td>M84526 134350 GEN- Human 32L DinglivComplement factor DinglivComplement Di</td> <td>M84526 134350 GEN- Human 32L DinglivComplement factor DinglivComplement factor Dingliv Complete cds Human 100 mRNA, complete cds 1710A>C M84747 300007 GEN-4 GEN-4 Human TGF-beta type II Gd5 1710A>C 1710A>C M86400 601288 GEN- Human phospholipase A2 ormplete cds 1653 1569T>A M86400 601288 GEN- Human phospholipase A2 ormplete cds 2599 2515C>G M86400 601288 GEN- Human phospholipase A2 ormplete cds 2656 2572A>C M86400 601288 GEN- Human phospholipase A2 ormplete cds 2656 2572A>C M86400 601288 GEN- Human phospholipase A2 ormplete cds 2745 2677A>C M86400 601288 GEN- Human phospholipase A2 ormplete cds 2745 2677A>C M86400 601288 GEN- Human phospholipase A2 ormplete cds 2761 2677A>C M86411 158120 GEN-419 Human monocyte antigen 1176 1101G>C M86511 158120 GEN-419 Human monocyte antigen 1724 1490A>C M87503 None<!--</td--><td>M84526 134350 GEN-
32L adipsin/complement factor
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102</td><td>M84526 134350 GEN-
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40Y Human phospholipase A2
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Human iFN-responsive
MRNA, complete cds
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32L adipsin/complement factor
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GEN-
Human TGF-beta type II 2045 1710A>C M86400 601288 GEN-
Human phospholipase A2
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Human phospholipase A2
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32L adipsin/complement factor
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Human TGF-beta type II 2045 1710A>C M86400 601288 GEN-
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102 | M84526 134350 GEN-
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Human phospholipase A2
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Human phospholipase A2
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တ	294C>G	402	Human helix-loop-helix	GEN-	600386	M97796	ID2
Q304H	912A>C	957	Homo sapiens nucleolysin	GEN-	603413	M96954	M96954
S212A	634T>G	. 883	complete cds Interleukin 5 receptor alpha	GEN-65	147851	M96652	M96652
က	435C>T	497	Homo sapiens Ly-6-like protein (CD59) mRNA,	GEN-SF	107271	M95708	M95708
			phospholipase C-beta-2 mRNA, complete cds	4A6			
က	3973C>T	4137	mRNA, complete cds Homo saplens	GEN	604114	M95678	M95678
E1091G	3272A>G	3436	mRNA, complete cds Homo sapiens	GEN	604114	M95678	M95678
ဟ	1182T>C	1346	Homo sapiens phospholipase C-beta-2	GEN- 4A6	604114	M95678	M95678
က	1442A>G	1494	Interleukin 8 receptor	GEN-	146928	M94582	IL8RB
က	1210C>T	1262	Interleukin 8 receptor	OEN- Selvan	146928	M94582	IL8RB
ဟ	786T>C	838	channel beta-1 Interleukin 8 receptor	GEN	146928	M94582	IL8RB
ဟ	711G>A	860	splice) L-Type L-Type voltage sensitive	GEN-1C	114207	M92303	M92303
G2205A	6614G>C	6614	splice) L-Type Ca Channel alpha1c (alt.	GEN-SV	114205	M92269	M92269
G2205R	6613G>C	6613	splice) L-Type Ca Channel alpha1c (alt.	GEN-SV	114205	M92269	M92269
Ø	6582A>G	6582	splice) L-Type Ca Channel alpha1c (alt.	GEN-SV	114205	M92269	M92269
Ø	5505G>A	5505	splice) L-Type Ca Channel alpha1c (alt.	GEN-SV	114205	M92269	M92269
S	3846C>T	3846	Ca Channe	GEN-SV	114205	M92269	M92269
က	2886C>T	2983		GEN-1A	600262	M90100	M90100
) m	2629C>T	2726		GEN-1A	600262	M90100	M90100
n n	2242T>C	2339	Cyclooxygenase 2 COX2	GEN-1A	600262	M90100	M90100
က	2133A>G	2230	Cyclooxygenase 2 COX2	GEN-1A	600262	M90100	M90100
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M98045 136510 GEN-		Ø	က	ო	ო	ო	ო	ოო	K254Q	ოო	C564R	ဟ
4C0 protein (Id-2) mRNA, complete cds M98045 136510 GEN- Homo sapiens 4C3 folypolyglutamate synthetase mRNA, complete cds 37N GEN-1F Calcineurin A-gamma S57235 f33634 GEN-XU Human rolipram-sensitive 35-cyclic AMP phosphodiesterase mRNA, complete cds Interleukin 10 receptor U02882 600129 GEN-XU Human rolipram-sensitive 3,5-cyclic AMP phosphodiesterase mRNA, complete cds 3,5-cyclic AMP 3,5-		732C>T	1677G>T	1830T>C	1830T>C	1842G>A	1925C>G	1607C>G 1655A>G	760A>C	3316A>C 3463A>G	1690T>C	1773G>A
M98045 136510 GEN- foly synth S46622 114107 GEN-1F Calcine S46622 114107 GEN-1F Calcine S57235 153634 GEN-4 Interleuk U00672 146933 GEN-4A Interleuk U00672 146933 GEN-4A Interleuk U00672 146933 GEN-4A Interleuk U002882 600129 GEN-XU Human rolli S57235 153634 GEN-XU Human roll		802	1747	1900	1900	1912	1995	1893 1941	775	3377 3524	1798	1881
M98045 136510 M98045 136510 M98045 136510 M98045 136510 M98045 136510 M98045 136510 GE S46622 114107 GE S46622 114107 GE S46622 114107 GE U00672 146933 GE U00672 146933 GE U00872 146933 GE U00872 146933 GE	protein (Id-2) mRNA,	complete cos Homo sapiens folylpolygiutamate synthetase mRNA,	Homo sapiens folypolyglutamate synthetase mRNA, complete cds	Homo sapiens folyjpolyglutamate synthetase mRNA, complete cds	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	Homo sapiens folyjpolyglutamate synthetase mRNA, comolete cds	Homo sapiens folylpolyglutamate synthetase mRNA, complete cds	Calcineurin A-gamma Calcineurin A-gamma	CD68=110kda transmembrane glycoprotein [human, promonocyte cell line 1937, mRNA, 1722, at 1	Interleukin 10 receptor Interleukin 10 receptor	Human rolipram-sensitive 3,5-cyclic AMP phosphodiesterase mRNA, complete cds	Human rolipram-sensitive 3,5-cyclic AMP
M98045 M98045 M98045 M98045 M98045 U00672 U00672 U00672 U00882	2	GEN- 4C3	GEN- 4C3	GEN- 4C3	GEN- 4C3	GEN- 4C3	GEN- 4C3	GEN-1F GEN-1F	GEN- 37N	GEN-4A GEN-4A	GEN-XU	GEN-XU
		136510	136510	136510	136510	136510	136510	114107	153634	146933 146933	600129	600129
M98045 M98045 M98045 M98045 M98045 U00672 U00672 U00882		M98045	M98045	M98045	M98045	M98045	M98045	S46622 S46622	\$57235	U00672 U00672	U02882	U02882
		M98045	M98045	M98045	M98045	M98045	M98045	S46622 S46622	S57235	U00672 U00672	U02882	U02882

	ဇာ	S	က	ო		S	S87C	တ	ဟ	ω	M151V	H170R	L172Q	w
	4583T>G	600C>T	933T>C	1397G>A	***	15C>T	259A>T	327C>T	342T>C	441G>A	451A>G M	509A>G H	515T>A L	666T>C
	4691 4	683	1016	1436 1		38	282	350	365	464	474	532	538	689
phosphodiesterase mRNA, complete cds	Human rolipram-sensitive 3,5-cyclic AMP phosphodiesterase mRNA, complete cds	Fms-related tyrosine kinase 3 ligand	Fms-related tyrosine kinase 3 ligand	Human monocyte chemoattractant protein 1 recentor (MCP-1RA)	alternatively spliced mRNA, complete cds	Human dihydrodiol dehydrogenase mRNA,	Human dihydrodiol dehydrogenase mRNA, complete cds	Human dihydrodiol dehydrogenase mRNA,						
	GEN-XU	GEN- MDM	GEN- MDM	GEN- 12B		GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184
	U02882 600129	600007	600007	601267		600450	600450	600450	600450	600450	600450	600450	600450	600450
	U02882	U03858	U03858	U03882		U05598	U05598	U05598	U05598	U05598	U05598	U05598	U05598	U05598
	U02882	U03858	U03858	U03882		DDH1	DDH1	DOH1	DDH1	DDH1	DĎH1	DDH1	DDH1	DDH1

	ဟ	Ø	1310S	ო	ო	ო	က	ო	ω	ო	ω	V103L	ω	
	783G>A	849G>T	929T>G	997G>A	1012G>A	1089C>T	1399C>G	1439T>C	3888C>G	1763G>A	39T>A	307G>C	312A>G	
	908	872	952	1020	1035	1112	2047	2087	3951	2008	38	307	312	
complete cds	Human dihydrodiol dehydrogenase mRNA, complete cds	Human dihydrodiol dehydrogenase mRNA, complete cds	Human dihydrodiol dehydrogena'se mRNA, complete cds	Human dihydrodiol dehydrogenase mRNA, complete cds	Human dihydrodiol dehydrogenase mRNA, complete cds	Human dihydrodiol dehydrogenase mRNA, complete cds	Human clone pSK1 interferon gamma receptor accessory factor-1 (AF-1)	interferon gamma receptor accessory factor-1 (AF-1)	Human xanthine dehydrogenase (XDH) mRNA, complete cds	P2Y2 purinoceptor	Human Burkitts lymphoma immunoglobulin kappa light chain mRNA, partial cds	Human Burkitts lymphoma immunoglobulin kappa light chain mRNA, partial cds	Human Burkitts lymphoma immunoglobulin kappa light chain mRNA, partial cds	-
	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-18J	GEN-18J	GEN-194	GEN- TOM	GEN-Q2	GEN-Q2	GEN-Q2	
	600450	600450	600450	600450	600450	600450	147569	147569	278300	600041	None	None	None	
	U05598	U05598	U05598	U05598	U05598	U05598	U05875	U05875	U06117	U07225	U07989	U07989	U07989	
	DDH1	DDH1	DDH1	DDH1	ррн1	DDH1	U05875	U05875	XDH	U07225	007989	U07989	U07989	

V190L	V204I	ဟ	Ø	တ	တ	S686R	R80H	တ	တ	ဟ		တ	တ	က	က	ო	M610I	
568G>C	610G>A	291C>T	855G>A	1983G>A	1986A>G	2056A>C	239G>A	366G>A	1764G>A	396T>C		927A>G	1125C>G	1638G>T	1757G>A	1907G>T	1830G>A	
568	610	530	1094	2222	2225	2295	333	460	1858	838		1369	1567	2080	2199	2349	1925	
Human Burkitts lymphoma	chain mRNA, partial cds chain mRNA, partial cds Human Burkitts lymphoma immunoglobulin kappa light	Human NF-ATc mRNA,	complete cos Human NF-ATc mRNA,	Human NF-ATc mRNA,	Complete cds Human NF-ATc mRNA,	complete cds Human NF-ATc mRNA,	complete cds Phospholipase C delta-1	Phospholipase C delta-1	Phospholipase C delta-1	Human vesicular	acetylcholine transporter mRNA, complete cds	Human vesicular acetylcholine transporter mBNA complete cde	Human vesicular acetylcholine transporter	Human vesicular acetylcholine transporter	Human vesicular acetylcholine transporter	mRNA, complete cds Human vesicular acetylcholine transporter	Janus kinase 3 (a protein	
GEN-Q2	GEN-02	GEN	8 E	GEN	GEN-	GEN-	GEN-	SEN-	SER C	SES-	4F3	GEN- 4F3	GEN- 4F3	GEN- 4F3	GEN- 4F3	GEN- 4F3	GEN-	
None	None	600489	600489	600489	600489	600489	602142	602142	602142	600336		600336	600336	600336	600336	600336	600173	
U07989	U07989	U08015	U08015	U08015	U08015	U08015	U09117	U09117	U09117	U09210		U09210	U09210	U09210	U09210	U09210	U09607	
007989	007989	U08015	U08015 ·	U08015	U08015	U08015	U09117	U09117	U09117	SLC18A3		SLC18A3	SLC18A3	SLC18A3	SLC18A3	SLC18A3	U09607	SD-144146.1

	N51S	1310V	P377S	ო	w	R158Q	ட	A223V	w	E430A	ო
	152A>G	928A>G	1129C>T	1408C>T	120T>C	473G>A	550C>T	.668C>T	1059T>C	1289C>A	1308T>C
	303	1079	1280	1559	120	473	550	899	1059	1289	1308
tyrosine kinase, leukocyte)	Human protein kinase (JNK2) mRNA, complete cds	Human protein kinase (JNK2) mRNA, complete cds	Human protein kinase (JNK2) mRNA, complete	Human protein kinase (JNK2) mRNA, complete	Human methylenetetrahydrofolate reductase mRNA, partial	Human methylenetetrahydrofolate reductase mRNA, partial	Human methylenetetrahydrofolate reductase mRNA, partial	Human methylenetetrahydrofolate reductase mRNA, partial	Hur Irofo ', pa	Human methylenetetrahydrofolate reductase mRNA, partial	Human methylenetetrahydrofolate reductase mRNA, partial
MKC	GEN- 1HA	GEN- 1HA	GEN- 1HA	GEN- 1HA	GEN-	GEN- 4FZ	GEN- 4FZ	GEN-	GEN- 4FZ	GEN- 4FZ	GEN- 4FZ
	602896	602896	602896	602896	None	None	None	None	None	None	None
	U09759	U09759	U09759	U09759	009806	009800	009806	009806	009806	009806	009806
	U09759	U09759	U09759	U09759	009800	009800	009800	908600	908600	908600	008809

ဟ	1168T	A154T	Y240C	m M	ო	ო	Ø	Ø	ო	က	ო	M702L	L831W
.921T>C	503T>C	460G>A	719A>G	1009T>C	1260C>T	1297G>A	13C>A	1272G>A	2128G>T	2132A>C	2311C>T	2104A>C	2492T>G
921	563	536	795	1085	1336	1373	338	1597	2182	2356	2535	2128	2516
Human delta opiate receptor mRNA, complete	Human hNKR-P1a protein (NKR-P1A) mRNA, complete cds	Human thiopurine methyltransferase (TPMT)	Cardiac Inward rectifier potassium channel (HH-	Cardiac inward rectifier potassium channel (HH-	tumor necrosis factor type 2 receptor associated	Human cysteine protease CPP32 isoform alpha	Human cysteine protease CPP32 isoform alpha	Human transcription factor NFATx mRNA, complete	Human transcription factor NFATx mRNA, complete				
GEN- 4F5	GEN- 1K3	GEN-	GEN-	GEN-	GEN- 1LY	GEN-	GEN-	GEN-	GEN-4E	GEN- 1PC	GEN-	GEN-	GEN-
U10504 165195	602890	187680	187680	187680	187680	187680	600681	600681	601895	600636	600636	602698	602698
U10504	U11276	U12387	U12387	U12387	U12387	U12387	U12507	U12507	U12597	U13737	U13737	U14510	U14510
OPRD1	U11276	TPMT	TPMT	TPMT	TPMT	TPMT	U12507	U12507	U12597	U13737	U13737	U14510	U14510

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A899G	A923V	A935G	A960G	S	က	ო	တ	က	က	ო	က	က	ო
2696C>G	2768C>T	2804C>G	2879C>G	2943G>A	3309G>A	3553G>A	579A>G	989G>A	1112T>C	1204G>C	1242C>T	1292T>C	1330A>T
2720	2792	2828	2903	2967	3333	3577	638	1048	1171	1263	1301	1351	1389
cds Human transcription factor NFATx mRNA, complete	Human transcription fa NFATx mRNA, comp	Human transcription fa	Human transcription factor NFATx mRNA, complete	Human platelet-endothelial tetraspan antigen 3 mRNA,	Human platelet-endothelial								
GEN- 1RD	GEN-	GEN-	GEN- 1RD	GEN-	GEN- 1RD	GEN- 1RD	GEN- 1RL	GEN-	GEN- 1RL	GEN-	GEN- 1RL	GEN- 1RL	GEN-
602698	602698	602698	602698	602698	602698	602698	602243	602243	602243	602243	602243	602243	602243
U14510	U14510	U14510	U14510	U14510	U14510	U14510	U14650	U14650	U14650	U14650	U14650	U14650	U14650
U14510	U14510	U14510	U14510	U14510	U14510	U14510	U14650	U14650	U14650	U14650	U14650	U14650	U14650

	ო	M129T	ဟ	က	သ	ဗ	က	m	•	တ		c	o			ဟ			E536A			က	ເດ		
	1345G>A	386T>C	1107C>T	2799G>A	(-34)C>T	2847G>C	3079T>C	3214T>G		2706C>T		Carca	92.000			795T>C			1607A>C			1081T>G	(-72)A>G		
	1404	969	1317	2964	47	2927	3159	3294	2	3391		0.70	740			804			1616		1	1117	85		
1RL tetraspan antigen 3 mRNA,	Human platelet-endothellal tetraspan antigen 3 mRNA,	Human CD40 binding protein (CD40bp) mRNA,	Human CD40 binding protein (CD40bp) mRNA, complete cds	Transcription Factor IL-4	Human cytokine SDF-1- heta mRNA complete cds	Human cytokine SDF-1-	Human cytokine SDF-1-	beta mRNA, complete cds Human cytokine SDF-1-	beta mRNA, complete cds	Human neuronal nitric	oxide synthase (NOS1)	mRNA, complete cds	phosphodiesterase	HPDE4A6 mRNA,	complete cds	Human 3,5-cyclic AMP	HPDE4A6 mRNA,	complete cds	Human 3,5-cyclic AMP	HPDE4A6 mRNA,	complete cds	Cyclophilin Ligand (calcium	PROSTAGLANDIN E2	RECEPTOR, EP2 SUBTYPE	. 542
1RL	GEN- 1RL	GEN-	GEN- 1U8	GEN-HX	GEN-	GEN	GEN-	1 AFN-	₹	GEN-209		VEC MED	GEIN-2 14			GEN-214			GEN-214			GEN-1N	GEN-41		
	602243	601896	601896	None	600835	600835	600835	600835		163731		20100	900159			600126			600126			601118	176804		
	U14650	U15637	U15637	U16031	U16752	U16752	U16752	1116752		U17327		110007	00010			U18087			U18087			U18242	U19487		
	U14650	U15637	U15637	U16031	SDF1	SDF1	SDF1	SDF1	- 5	NOS1		מחתם	7 1 1			PDE4A			PDE4A			018242	U19487		

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75A>T		(-43)T>C	80G>A	80G>A	246C>G	696C>T	972G>A	2100 2005^2006ins G	2487T>G	2487T>G	2522C>T	2522C>T	2557T>C	688G>A	1136T>C	1217T>C	904C>T	1039G>A
231		53	175	175	341	791	1067	2100	2582	2582	2617	2617	2652	731	1297	1304	982	1117
PROSTAGLANDIN E2	SUBTYPE	Folate Transporter (SLC19A1)	Folate Transporter	Folate Transporter	(SEC19A1) Folate Transporter	Folate Transporter (SL C1941)	Folate Transporter (SI C1941)	Folate Transporter (SLC19A1)	Folate Transporter (SI C19A1)	Folate Transporter	Folate Transporter	Folate Transporter (SI C1941)	Folate Transporter (SLC1941)	Human MAP kinase Mxi2 (MXI2) mRNA, complete	Human platelet-activating factor acetylhydrolase mRNA, complete cds	Human G protein-coupled receptor V28 mRNA, complete cds	Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds	Human cysteine protease Mch2 isoform alpha (Mch2)
GEN-4		GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN-11	GEN- 22C	GEN-234	GEN-239	GEN- 23K	GEN- 23K
176804		600424	600424	600424	600424	600424	600424	600424	600424	600424	600424	600424	600424	600289	601690	602237	601532	601532
U19487 176804		U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19775	U20157	U20350	U20536	U20536
U19487		U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19720	U19775	U20157	U20350	U20536	U20536

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1244T>C	1285T>C	900C>T	1584C>T	2456A>C	506T>G		335C>T	386T>C	1069C>T	442T>C	447A>G	508C>G	544C>T	580T>C	582G>A	1435C>A	
1322	1363	986	1670	2542	506		335	386	1069	476	481	542	578	614	616	1612	
Hum Mch2	Hum Mch2	mRNA, complete cds 52 Human TGF-beta inducible early protein (TIEG)	n Human	н Нитап	mRNA, comple Human mitocho	hydroxymeth gene, nuc mitochon	Glucocorticoid rec	Glucocorticoid rec	Glucocorticoid re	Huma	Huma	Huma	Huma	Huma	Huma	X mRNA, complete cds - Human casein kinase I	
GEN- 23K	GEN- 23K	GEN-252	GEN-252	GEN-252	GEN-		GEN-82	GEN-82	GEN-82	U	CEN-	GEN-	GEN-	SER.	SEN-	SBX GEN-	
601532	601532	601878	601878	601878	138450		138040	.138040	138040	601056	601056	601056	601056	601056	601056	600864	
U20536	U20536	U21847	U21847	U21847	U23143		U25029	U25029	U25029	U27467	U27467	U27467	U27467	U27467	U27467	U29171	
U20536	U20536	U21847	U21847	U21847	U23143		U25029	U25029	U25029	U27467	U27467	U27467	U27467	U27467	U27467	CSNK1D	

1250 1168G>T 1266 1205C>A 1513 1452C>T 991 927G>A 1489 1356A>T 1285 1242T>C 1284 1251T>C 1594 1251T>C 1594 1251T>C 1621 1578G>T 1715 1672G>A 1764 1721G>A	ന	P402Q	က	σ	ю	ო	Ø	en en	е	ಣ	െ	೯	n	Ø
1250 1256 1513 991 1285 1285 1715 1715 912	68G>T		152C>T	27G>A	356A>T	328C>T	93G>A	42T>C	:51T>C	337A>T	78G>T	72G>A	21G>A	125C>T
					•									
Inter	delta mRNA, complete cds Interleukin 15 receptor	alpha chain interleukin 11 receptor	alpha chain interleukin 11 receptor	alpha chain Human tryptophan oxygenase (TDO) mRNA,	complete cds Human signaling lymphocytic activation molecule (SLAM)		Human Mch3 isoform alpha (Mch3) mRNA,	Human Mch3 isoform alpha (Mch3) mRNA,	Human Mch3 Isoform alpha (Mch3) mRNA, complete cds				Human Mch3 isoform alpha (Mch3) mRNA,	Human TNF-related apoptosis Inducing ligand
2E2 da GEN-45 GEN-45 GEN-46 GEN-46 GEN-46 GEN-47 GEN-200 GEN-2		GEN-4K	GEN-4K		GEN- 2JO	GEN- 2JO	GEN- 20C	GEN-	GEN-	GEN- 20C	GEN- 20C	GEN- 20C	GEN- 20C	
60170 600939 600939 191070 603492 601761 601761 601761 601761		600939	600939	191070							601761		601761	None
U32324 U32324 U32324 U32989 U33017 U37448 U37448 U37448 U37448	U31628	U32324	U32324	U32989	U33017	U33017	U37448	U37448	U37448	U37448	U37448	U37448	U37448	U37518
U32324 U32324 U32324 U32989 U33017 U37448 U37448 U37448 U37448	U31628	U32324	U32324	U32989	U33017	U33017	U37448	U37448	U37448	U37448	U37448	U37448	U37448	U37518

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	1053A>G	1202C>A	1438G>A	1501G>A	1508C>T	499G>A	549T>C	654A>G	681C>T	91A>C	373G>A	783C>T	836T>C
	1140	1289	1525	1588	1595	644	694	199	826	431	713	825	878
TRAIL mRNA, complete cds	Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds	Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds	Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds	Human TNF-felated apoptosis inducing ligand TRAIL mRNA, complete cds	Human TNF-related apoptosis inducing ligand TRAIL mRNA, complete cds	Substance P beta-PPT-A	Substance P beta-PPT-A	Substance P beta-PPT-A	Substance P beta-PPT-A	Human MAP kinase kinase 6 (MKK6) mRNA, complete cds	Human MAP kinase kinase 6 (MKK6) mRNA, complete cds	Guanine nucleotide binding protein (G protein), q	Guanine nucleotide binding protein (G protein), q
-	GEN- 20G	GEN- 20G	GEN- 20G	GEN-	GEN- 20G	GEN- 20H	GEN- 20H	SOH SOH	GEN- 20H	GEN- 208	GEN- 208	GEN-70	GEN-70
	None	None	None	None	None	162320	162320	162320	162320	601254	601254	866009	866009
	U37518	U37518	U37518	U37518	U37518	U37529	U37529	U37529	U37529	U39656	U39656	U40038	U40038
	U37518	U37518	U37518	U37518	U37518	TAC2	TAC2	TAC2	TAC2	U39656	U39656	U40038	U40038

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	SO .	1337V	S	S	S	တ	က	က	က	E50K	S	Ø	ഗ	တ	က		
	987G>A	1009A>G	1026T>A	1051T>C	297C>T	819G>A	1424G>A	514G>C	1613A>C	148G>A	654T>C	690A>G	933G>A	1269T>C	1783A>T		
	86	100	102	105	56	8.	142	151	161	4	65	69	93	126	178		
	1029	1051	1068	1093	453	975	1580	1670	1769	382	661	269	940	1276	1790		
 : ÷					Homo sapiens integrin- linked kinase (ILK)	Complete cas Homo sapiens integrin- linked kinase (ILK) mRNA,		Complete cas Homo sapiens integrin- linked kinase (LK) mRNA,		Complete cus Human serotonin N- acetyltransferase mRNA,	Nicotinic, Cholinergic	Nicotinic, Cholinergic	Nicotinic, Cholinergic		Nicotinic, Cholinergic receptor alpha 7		
	GEN-70	GEN-70	GEN-70	GEN-70	GEN- 2RJ	GEN- 2RJ	GEN- 2RJ	GEN- 2RJ	GEN- 2RJ	GEN- 2RK	GEN-40	GEN-40	GEN-40	GEN-40	GEN-40		
	866009	866009	866009	866009	602366	602366	602366	602366	602366	600950	118511	118511	118511	118511	118511		
	U40038	U40038	U40038	U40038	U40282	U40282	U40282	U40282	U40282	U40347	U40583	U40583	U40583	U40583	U40583		
	U40038	U40038	U40038	U40038	U40282	U40282	U40282	U40282	U40282	U40347	U40583	U40583	U40583	U40583	U40583	SD-144146.1	

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1785T>A	1372C>T	1128C>T		253020	57557 -	326A>G		ანგ₩ა	1029T>C		1968G>C	1981A>C		2571T>G		2958C>T	0	305/G>A		1228A>G	0/0007	50004	1523G>A		1631G>A	,	2090G>A		67G>A	C/T/C#	2
1792	1404	1499		977	† †	519	č	861	1222		2161	2174		2764		3151	0	3220		1424	1604	50	1719		1827	٠	2286		120	7	5
Nicotinic, Cholinergic	Human cardiotrophin-1 (CTF1) mRNA, complete cds	Human vascular	endothelial growth factor related protein VRP	mKNA, complete cds	ruman leptili receptor (Ob-	Human leptin receptor (Ob-	r) mRNA, complete cds	Human leptin receptor (Ub- r) mRNA, complete cds	Human leptin receptor (Ob-	r) mRNA, complete cds	Human leptin receptor (Ob-	Human leptin receptor (Ob-	r) mRNA, complete cds	Human leptin receptor (Ob-	r) mRNA, complete cds	Human leptin receptor (Ob-	r) mKNA, complete cds	Human leptin receptor (Ob-	r) mRNA, complete cds	Human P2x1 receptor	Uman Day 100000	mRNA. complete cds	Human P2x1 receptor	mRNA, complete cds	Human P2x1 receptor	mRNA, complete cds	Human P2x1 receptor	mRNA, complete cds	Human eotaxin precursor	mrivA, complete cds	mRNA, complete cds
GEN-40	GEN-LF!	GEN.	2UM	. 0	SUN SUN SUN	GEN-	S S S S	SEN-	GEN-	SC SC SC SC SC SC SC SC SC SC SC SC SC S	- Z	GEN-	2UN	GEN-	2UN	GEN	NO.	GEN-	2UN	GEN-4FI	200	T + NU 5	GEN-4FI		GEN-4FI		GEN-4FI		GEN-	7 14 1	2WZ
118511	600435	601528		500103	/001.09	601007		601007	601007	!	601007	601007		601007		601007	1	601007		600845	77.000	000043	600845		600845		600845		601156	944	000
U40583 118511	U43030	U43142		1140460	043168	U43168		043168	U43168		U43168	U43168		U43168		U43168		U43168		U45448	077271	043440	U45448		U45448		U45448		U46573	1146670	04027
U40583	U43030	U43142			ר ה א	LEPR		LEPR	LEPR		LEPR	LEPR		LEPR		LEPR		LEPR		U45448	07747	045446	U45448		U45448		U45448	,	SCYA11	7700	- - - - - - -

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1005C>T	1035C>T	1431T>C	1502G>A	2187A>C	2219A>G	180A>G	402C>G	2597C>A	2622G>A	2866C>T	3177C>T	3206C>T
1005	1035	1431	1502	2915	2947	196	418	2613	2638	2882	3193	3222
Human beta-tubulin class III isotype (beta-3) mRNA, complete cds	Human beta-tubulin class III isotype (beta-3) mRNA, complete cds	Human beta-tubulin class III isotype (beta-3) mRNA, complete cds	Human beta-tubulin class III isotype (beta-3) mRNA, complete cds	Serotonin 5-HT receptors 5-HT2C	Serotonin 5-HT receptors 5-HT2C	Human signaling inositol polyphosphate 5 phosphatase SIP-110 mRNA, complete cds	Human signaling inositol polyphosphate 5 phosphatase SIP-110 mRNA, complete cds	Human signaling inositol polyphosphate 5 phosphatase SIP-110 mRNA, complete cds	Human signaling inositol polyphosphate 5 phosphatase SIP-110 mRNA, complete cds	Human signaling inositol polyphosphate 5 phosphatase SIP-110 mRNA, complete cds	Human signaling inositol polyphosphate 5 phosphatase SIP-110 mRNA, complete cds	Human signaling inositol
GEN- 2XR	GEN- 2XR	GEN- 2XR	GEN- 2XR	GEN-1Q	GEN-10	GEN- 2ZR	GEN- 2ZR	GEN- 2ZR	GEN- 2ZR	GEN- 2ZR	GEN- 2ZR	GEN-
None	None	None	None	312861	312861	601582	601582	601582 ,	601582	601582	601582	601582
U47634	U47634	U47634	U47634	U49516	U49516	U50040	U50040	U50040	U50040	U50040	U50040	U50040 601582
U47634	U47834	U47634	U47634	N49516	U49516	U50040	U50040	U50040	U50040	U50040	U50040	U50040

ო	ო	ო	ო	ო	ო	C6R	A31T	T151I
3847G>A	4297G>A	4681T>G	4733T>G	4943A>G	5080T>C	16T>C	· 91G>A	452C>T
3863	4296	4680	4732	4942	5079	75	150	511
Ī .	Humal factor			Humai factor	Humai factor f	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete	Homo sapiens human
GEN- 2ZR	GEN- 33X	GEN- 33X	GEN- 33X	GEN- 33X	33X 33X	GEN- 35Z	GEN- 35Z	GEN-
601582	601900	601900	601900	601900	601900	None	None	None
U50040	U52682	U52682	U52682	U52682	U52682	U55206	U55206	U55206
U50040	IRF4	IRF4		IRF4	IRF4	U55206	U55206	U55206
	U50040 601582 GEN- Human signaling inositol 3863 3847G>A 2ZR phosphate 5 phosphatase SIP-110 mRNA, complete cds	U50040 601582 GEN- Human signaling inositol 3863 3847G>A 2ZR polyphosphate 5 phosphatase SIP-110 mRNA complete cds 133X Interferon regulatory factor/interferon regulatory mRNA complete cds 14297G>A 1600 GEN- Human lymphocyte specific 4296 4297G>A 1600 GEN- Human lymphocyte specific	U50040 601582 GEN- Human signaling inositol 3863 3847G>A 2ZR polyophate 5 phosphatase SIP-110 mRNA, complete cds U52682 601900 GEN- Human lymphocyte specific 4296 4297G>A 33X Interferon regulatory factor/interferon regulatory factor (LSIRF/IRF4) mRNA, complete cds U52682 601900 GEN- Human lymphocyte specific 4680 4681T>G 33X interferon regulatory factor/interferon regulatory factor/interfer	U50040 601582 GEN- Human signaling inositol 3863 3847G>A 2ZR polyphosphate 5 phosphatase SIP-110 mRNA, complete cds U52682 601900 GEN- Human lymphocyte specific 4296 4297G>A 33X interferon regulatory factor/interferon regulatory factor fa	U50040 601582 GEN- Human signaling inositiol 3863 3847G>A 2ZR polyphosphate 5 phosphatase SIP-110 mRNA, complete cds U52682 601900 GEN- Human lymphocyte specific 33X interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds U52682 601900 GEN- Human lymphocyte specific 33X interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds U52682 601900 GEN- Human lymphocyte specific 33X interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds U52682 601900 GEN- Human lymphocyte specific 33X interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds U52682 601900 GEN- Human lymphocyte specific 33X interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds U52682 601900 GEN- Human lymphocyte specific 33X interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds U52682 601900 GEN- Human lymphocyte specific 33X interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds U52682 601900 GEN- Human lymphocyte specific 618/18/18/18/18/18/18/18/18/18/18/18/18/1	U52682 601900 GEN- Human signaling inositol 3863 3847G>A polyphosphate 5 phosphatase SIP-110 mRNA, complete cds 33X factor/interferon regulatory factor/interferon regulatory factor/interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds U52682 601900 GEN- Human lymphocyte specific 4680 4681T>GEN- Human lymphocyte specific 4680 4681T>GEN- Human lymphocyte specific 4732 4733T>GEN- Human lymphocyte specific 4680 4681T>GEN- Human lymphocyte specific 4880 4733T>GEN- Human lymphocyte specific 4732 4733T>GEN- Human lymphocyte specific 4880 GEN- Human lymphocyte specific 33X interferon regulatory factor/interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds U52682 601900 GEN- Human lymphocyte specific 33X interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds U52682 601900 GEN- Human lymphocyte specific 33X interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds 33X interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds U52682 601900 GEN- Human lymphocyte specific 33X interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds U52682 601900 GEN- Human lymphocyte specific 5079 5080T>C 33X interferon regulatory factor 4 (LSIRF/IRF4) mRNA, complete cds U52682 601900 GEN- Human lymphocyte specific 5079 5080T>C 33X interferon regulatory factor 4 (LSIRF/IRF4)	U52682 601900 GEN- Human signaling inositio 3863 3847G>A polyphosphate 5 polyphosphate 6 solution 1 polyphosyte specific 33X interferon regulatory factor/interferon regulatory factor/int	U50040 601582 GEN- Human signaling inositions of phosphate 5 polyphosphate 5 polyphosphate 5 phosphates 5 sip- 10 mRNA, complete cds 3847G>A U52682 601900 GEN- Human lymphocyte specific factor 4 (LSIRFIRR4) 4297G>A U52682 601900 GEN- Human lymphocyte specific factor 4 (LSIRFIRR4) 4681T>G U52682 601900 GEN- Human lymphocyte specific factor 4 (LSIRFIRR4) 4733T>G U52682 601900 GEN- Human lymphocyte specific factor 4 (LSIRFIRR4) 4733T>G U52682 601900 GEN- Human lymphocyte specific factor 4 (LSIRFIRR4) 4733T>G U52682 601900 GEN- Human lymphocyte specific factor 4 (LSIRFIRR4) 4943A>G U52682 601900 GEN- Human lymphocyte specific factor 4 (LSIRFIRR4) 4943A>G U52682 601900 GEN- Human lymphocyte specific factor 4 (LSIRFIRR4) 4943A>G U52682 601900 GEN- Human lymphocyte specific factor 4 (LSIRFIRR4) 4943A>G U52682 601900 GEN- Human lymphocyte specific factor 4 (LSIRFIRR4) 4943A>G U55206 None GEN- Human lymphocyte specific factor 4 (LSIRFIRR4) 467PC U55206 None GEN- Human splutamyl hydrolase (hydrolase (hydrola

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	1102A>G	408C>T	2514A>G	209A>G	1705A>T	1888G>A	157G>A	177A>G	692T>G	4825T>C	1742C>G	1833C>T	1950G>T	1984G>A
	1161	411	2711	367	1863	2046	304	324	779	4963	2296	2387	2504	2538
gamma-glutamyl hydrolase (hGH) mRNA, complete cds	Homo sapiens human gamma-glutamyl hydrolase (hGH) mRNA, complete	Human cysteine protease ICE-LAP6 mRNA, complete cds	INTERLEUKIN ENHANCER-BINDING FACTOR	Human TRAF-interacting protein I-TRAF mRNA, complete cds	Human TRAF-interacting protein I-TRAF mRNA, complete cds	Human TRAF-interacting protein I-TRAF mRNA, complete cds	Human apoptotic cysteine protease Mch4 (Mch4) mRNA complete cds	Human apoptotic cysteine protease Mch4 (Mch4)	Human semaphorin (CD100) mRNA, complete	Human neuronal pentraxin 1 (NPTX1) mRNA, complete cds	Nicotinic, Cholinergic receptor alpha 2	Nicotinic, Cholinergic receptor alpha 2	Nicotinic, Cholinergic receptor alpha 2	Nicotinic, Cholinergic
352	GEN- 352	GEN- 36X	GEN-67	GEN- 3A7	GEN-	GEN- 3A7	GEN- 3AZ	GEN- 3AZ	GEN- 3BC	GEN- 3C0	GEN- 4EN-	GEN-	GEN-	GEN-
	None	602234	147685	None	None	None	601762	601762	None	602367	118502	118502	118502	118502
	U55206	U56390	U58196	U59863	U59863	U59863	U60519	U60519	00800	U61849	U62431	U62431	U62431	U62431
	U55206	U56390	U58196	U59863	U59863	U59863	U60519	U60519	U60800	U61849	CHRNA2	CHRNA2	CHRNA2	CHRNA2

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	639C>T	639C>T	678C>T	678C>T	1209T>G	1209T>G	1227C>T	1353G>A	1550C>T	1629C>T	1629C>T	1659G>A	1659G>A	50G>A	721G>A	925A>G	956C>T	1160G>A
	870	870	606	606	1440	1440	1458	1584	1781	1860	1860	1890	1890	343	1014	1218	1249	1453
receptor alpha 2	Nicotinic, Cholinergic	Nicotinic, Cholinergic	receptor alpha 4 Nicotinic, Cholinergic	receptor alpha 4 Nicotinic, Cholinergic	receptor alpha 4 Nicotinic, Cholinergic	receptor alpha 4 Nicotinic, Cholinergic	receptor alpha 4 Nicotinic, Cholinergic	receptor alpha 4 Nicotinic, Cholinergic	receptor alpha 4 Nicotinic, Cholinergic	receptor alpha 4 Nicotinic, Cholinergic	receptor alpha 4 Human herpesvirus entry mediator mRNA, complete	cds Human herpesvirus entry mediator mRNA, complete	cds Human herpesvirus entry mediator mRNA, complete	Human herpesvirus entry mediator mRNA, complete	Human herpesvirus entry mediator mRNA, complete			
4EN	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN- 3K9	GEN- 3K9	GEN- 3K9	GEN- 3K9	GEN- 3K9
	118504	118504	118504	118504	118504	118504	118504	118504	118504	118504	118504	118504	118504	None	None	None	None	None
	U62433	U62433	U62433	U62433	U62433	U62433	U62433	U62433	U62433	U62433	U62433	U62433	U62433	U70321	U70321	U70321	U70321	U70321
	U62433	U62433	U62433	U62433	U62433	U62433	U62433	U62433	U62433	U62433	U62433	U62433	U62433	U70321	U70321	U70321	U70321	U70321

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	2135A>G	2484A>G	1095C>T	1272G>A	764G>A	4701G>A	6356G>A	204G>A	1578A>C	2378A>G	1811G>A		1818C>T	1867T>C	2936T>C
	2167	. 2516	1248	1425	1158	5095	6750	251	1625	2449	1989		1996	2045	3015
spo .	Human myleoid differentiation primary response protein MyD88 mRNA, complete cds	Human myleoid differentiation primary response protein MyD88 mRNA, complete cds	Human FK506-binding protein FKBP51 mRNA, complete cds	Human FK506-binding protein FKBP51 mRNA, complete cds	Methionine Synthase	Methionine Synthase	Methionine Synthase	Human sigma receptor mRNA, complete cds	Human sigma receptor mRNA, complete cds	Homo saplens 15S- lipoxygenase mRNA, complete cds	Human placental	equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	Human placental equilibrative nucleoside transporter 1 (hENT1) mRNA, complete cds	Human CX3C chemokine precursor, mRNA, alternatively spliced, complete cds
	GEN- 3KB	GEN- 3KB	GEN- 2TW	GEN- 2TW	GEN-69	GEN-69	GEN-69	GEN- 3NV	GEN- 3NV	GEN- 3QZ	GEN-	340	GEN- 3VO	GEN- 3VO	GEN-3ZJ
	602170	602170	602623	602623	156570	156570	156570	None	None	603697	602193		602193	602193	601880
	U70451 602170	U70451	U71321	U71321	U73338	U73338	U73338	U75283	U75283	U78294	U81375		U81375	U81375	U84487
	U70451	U70451	U71321	U71321	U7333B	U73338	U73338	U75283	U75283	U78294	U81375		U81375	U81375	U84487

ო	ဟ	တ		ß	ω	A137V	က	ß	ß	F175L	ო	က	က	က	က	က	က	က	L137R		R40X		S139F	1155T	R157K	က	က	တ		M8L
2979T>C	378A>G	1203C>T		(-17)T>C	(-2)C>T	410C>T	752G>A	(-10)G>A	(-7)A>G	523T>C	574C>G	684C>T	704T>A	715G>A	719T>A	756T>G	842A>T	865G>A	410T>G		119G>A		416C>T	464T>C	470G>A	O<5999	670C>T	303C>A		22A>C
3058	378	1233		40	22	466	808	47	20	579	630	740	760	177	775	812	868	921	474		119		462	510	516	712	716	303		4
Human CX3C chemokine precursor, mRNA, alternatively spliced, complete cds	Human chemokine (TECK) mRNA, complete cds	Human ATP	alphosphonydrolase mRNA, complete cds	Interferon alpha 13	Interferon alpha 13	Interferon alpha 13	Interferon alpha 13	Interferon alpha 14	Interferon alpha 14	Interferon alpha 14	Interferon alpha:14	Interferon alpha 14	Interferon alpha 114	Interferon alpha 14	Messenger RNA for human	fibroblast interferon	Human messenger RNA	ior reunocyte (aipria-z.) interferon	Interferon alpha 7	Human messenger RNA	fragment for the beta-2	Human RNA sequence of								
GEN-3ZJ	GEN- LR6	GEN-44L		GEN-U1	GEN-U1	GEN-U1	GEN-U1	GEN-TT	GEN-TT	GEN-TT	GEN-11	GEN-TT	GEN-TT	GEN-TT	GEN-TT	GEN-TT	GEN-TT	GEN-11	GEN-TV		GEN-P2		GEN-TS	GEN-TS	GEN-TS	GEN-TS	GEN-TS	GEN-P3		GEN-T0
601880	602565	601752		147578	147578	147578	147578	147579	147579	147579	147579	147579	147579	147579	147579	147579	147579	147579	147640		147562		147577	147577	147577	147577	147577	109700		146880
U84487	U86358	U87967		V00537	V00537	V00537	V00537	V00542	V00542	V00542	V00542	V00542	V00542	V00542	V00542	V00542	V00542	V00542	V00546		V00548		V00551	V00551	V00551	V00551	V00551	V00567		X00033 146880
U84487	U86358	CD39		V00537	V00537	V00537	V00537	IFNA14	IFNA14	IFNA14	IFNA14	IFNA14	IFNA14	IFNA14	IFNA14	IFNA14	IFNA14	IFNA14	FNB1		V00548		IFNA10	IFNA10	IFNA10	IFNA10	IFNA10	V00567		H F

	ω	ω	ω	F48Y	149S	K70Q
	60T>C	126C>T	138C>G	143T>A	146C>G	208A>C
	79	145	157	162	165	227
the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)
	GEN-T0	GEN-10	GEN-TO	GEN-TO	GEN-T0	GEN-T0
	X00033 146880	146880	146880	146880	146880	X00033 146880
	X00033	X00033	X00033	X00033	X00033	X00033
DOA1	HLA- DQA1	HLA- DQA1	HLA- DQA1	HLA- DQA1	HLA- DQA1	HLA- DQA1

α		tr.		_			
H75R		L77F	Ø	L98V	w	Ø	o o
224A>G		229C>T	279T>C	ο	<u>`</u>	9	ő
224,		229	279	292C>G	315C>T	369A>G	540T>G
6		ω	ø	_	+	m	
243		248	298	311	334	388	559
Human RNA seguence of	uman DS glycoprotein alpha subunit from the v-D region of the major histocompatibility	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D reglon of the major histocompatibility	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	man RNA sequence of uman DS glycoprotein alpha subunit from the region of the major histocompatibility complex(MHC)	man RNA sequence of uman DS glycoprotein alpha subunit from the region of the major histocompatibility complex(MHC)	man RNA sequence of numan DS glycoprotein alpha subunit from the N-D region of the major histocompatibility
NA se	Subun Subun gion of nistocol	tNA se DS gly subuni glon of listocol	Subuni Subuni Subuni Subuni Subuni Subuni Subuni Subuni	NA ser DS gly subuni subuni jion of iistocor	NA second DS gly subuni subuni sion of iistocor	NA second	NA sec DS gly subunii pion of istocor
Human F	the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex (MHC).	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility comolex(MHC)	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex(MHC)	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility
GEN-TO		GEN-TO	GEN-10	GEN-10	GEN-TO	GEN-10	GEN-10
			<u>ө</u>	.	9	G G	<u> </u>
146880		146880	X00033 146880	146880	146880	146880	146880
X00033		X00033	00033	X00033	X00033	X00033	X00033
×		×	×	×	×	×	×
Ą	DQA1	HLA-	HLA- DQA1	PAGA 444	HLA- DQA1	HLA- DOA1	HLA- DOA1

	A182D	ω	A209T	w	Ø	Ø	V229M
	545C>A	588T>C	625G>A	627A>C	660T>C	669G>A	685G>A
	564	209	644	646	679	888	704
complex(MHC)	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility complex/MHC)	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major histocompatibility	Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major
	GEN-10	GEN-T0	GEN-T0	GEN-T0	GEN-10	GEN-T0	GEN-T0
	146880	146880	146880	146880	146880	146880	146880
	X00033	X00033	X00033 146880	X00033	X00033 146880	X00033	X00033 146880
	HLA- DQA1	PDA1	HLA DQA1	HLA- DQA1	HLA- DQA1	HLA-	HLA- DOA1

Ø	Ø	L237F	ო	ო	ო	ო	S5T	S31T	R32C
702G>C	705C>T	711G>C	781A>G	750A>G	826A>G	1089C>G	13T>A	91T>A	94C>T
721	724	730	800	805	881	1144	13	91	94
histocompatibility complex(MHC) Human RNA sequence of the human DS glycoprotein alpha subunit from the	HLA-D region of the major histocompatibility complex(MHC) Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major	histocompatibility complex(MHC) Human RNA sequence of the human DS glycoprotein alpha subunit from the H A-D region of the mains	histocompatibility complex(MHC) Human RNA sequence of the human DS glycoprotein alpha subunit from the HLA-D region of the major	histocompatibility complex(MHC) Human mRNA for HLA-DR antigens associated	invariant chain (p33) Human mRNA for HLA-DR antigens associated	invariant chain (p33) Human mRNA for HLA-DR antigens associated	invariant chain (p33) Human mRNA for SB beta- chain (clone nll-heta-7)	Human mRNA for SB beta-	Human mRNA for SB beta- chaln (clone pli-beta-7)
GEN-T0	GEN-T0	GEN-T0	GEN-T0	GEN-TN	GEN-TN	GEN-TN	GEN-U2	GEN-U2	GEN-U2
X00033 146880	146880	146880	146880	142790	142790	142790	142858	142858	142858
X00033	X00033	X00033	X00033 146880	X00497 142790	X00497	X00497 142790	X00532	X00532	X00532
HLA- DQA1	HLA- DQA1	HLA- DQA1	HLA- DQA1	X00497	X00497	X00497	HLA- DPB1	HLA-	HLA- DPB1

L51M	S	S53T	Ø	T94M	Ø	Q114R	R118Q	T163M	S166P	T175I	R190G	w	u.	ო	ო	R379K	v.	ഗ	
151C>A	154C>A	158G>C	213G>A	281C>T	306C>T	341A>G	353G>A	488C>T	496T>C	524C>T	568A>G	600G>A	708C>G	761G>A	840G>A	1136G>A	1935A>G	2283C>T	
151	154	158	213	281	306	341	353	488	496	524	268	009	708	761	840	1136	1935	2283	
Ξ	Hun	Ŧ	H	Hu	Hu	Į.	H	Ę	I	Hun	Hun	Ŧ	H	Ħ	Ŧ	뒾	epidermal growth tactor (EGF) receptor 4 Human mRNA fragment for		epidermal growth factor (EGF) receptor
GEN-U2	GEN-U2	GEN-U2	GEN-U2	GEN-U2	GEN-U2	GEN-U2	GEN-U2	GEN-U2	GEN-U2	GEN-U2	GEN-U2	GEN-U2	GEN-U2	GEN-U2	GEN-U2	GEN-U4	AFN-114	GEN-U4	
142858	142858	142858	142858	142858	142858	142858	142858	142858	142858	142858	142858	142858	142858	142858	142858	131550	131550	131550	
X00532	X00532	X00532	X00532	X00532	X00532	X00532	X00532	X00532	X00532	X00532	X00532	X00532	X00532	X00532	X00532	X00663	XOOGE3	X00663	
HLA-	HLA-	Z Z Z Z Z Z	1 4 2 2 4 2 3 4 2 4 2 7 3 4 2 7 4 2	DPB1 HLA-	DPB1	PB4	Z Ł	PPB1	PE1 HLA	PP81 FF	DPB1 HLA-	DPB1 HLA-	PPB1 HLA-	DPB1 HLA-	PB1	DPB1 EGFR	n G	В 6 В 8	

Ø	လ	Ø	S51G	ဟ	ო	r.	H75Q	ဟ	ო	P72R	R273H	R116G	ဟ	A8V		PZ3A	T86N	v	•
1059G>T	(-51)T>G	60T>C	151A>G	171T>C	1145G>A	(-28)C>T	225T>G	456G>A	550A>C	215C>G	818G>A	346C>G	348G>C	23C>T	0	و در در	257C>A	372T>C	
1059	59	169	260	. 280	1254	125	332	563	614	350	953	415	417	64	6	80	298	413	•
Human beta-tubulin gene (5-beta) with ten Alu family members	Human mRNA for purine nucleoside phosphorylase (PNP: EC 2 4.2.1)	Human mRNA for purine nucleoside phosphorylase (PNP: EC 2.4.2.1)	Tumor necrosis factor	Interleukin 2	Interleukin 2	Superoxide dismutase 1	Human mRNA for p53	cellular tumor antigen Human mRNA for p53	cellular tumor antigen Interferon alpha inducible	protein Interferon alpha inducible	protein Human mRNA for EPA	glycoprotein (erythroid- potentiating activity)	glycoprotein (erythroid-	potentiating activity) Human mRNA for EPA	glycoprotein (erythroid- potentiating activity) Human mRNA for EPA	g marke in			
GEN- MST	GEN-P8	GEN-P8	GEN-P8	GEN-P8	GEN-P8	GEN-4Y	GEN-PC	GEN-PC	GEN-KM	GEN-PF	GEN-PF	GEN-1T	GEN-1T	GEN-X6	2 1	0Y-NID	GEN-X6	GEN-X6	
None	164050	164050	164050	164050	164050	191160	147680	147680	147450	191170	191170	147572	147572	305370	0000	0/5005	305370	305370	
X00734	X00737	X00737	X00737	X00737	X00737	X01394	X01586	X01586	X02317	X02469	X02469	X02492	X02492	X02598	9000	960704	X02598	X02598	
X00734	X00737	X00737	X00737	X00737	X00737	X01394	X01586	X01586	X02317	X02469	X02469	X02492	X02492	X02598	0000	080707	X02598	X02598	

	P10L	146M	T264I	ဟ	ဟ	ဟ	S391N	c.	ო	က	က	S6A	Y41F
	29C>T	138C>G	791C>T	966C>T	1089G>A	1101C>T	1172G>A	(-25)G>A	1091C>T	1243A>G	(-3)A>G	16T>G	122A>T
	870	646	1632	1807	1930	1942	2013	32	1147	1299	79	26	203
glycoprotein (erythroid-	Human mRNA for transforming growth factor-	beta (TGF-beta) Human mRNA for transforming growth factor-	beta (TGF-beta) Human mRNA for transforming growth factor-	beta (1GF-beta) Human mRNA for transforming growth factor-	Deta (1Gr-Deta) Human mRNA for transforming growth factor-	beta (TGF-beta) Human mRNA for transforming growth factor-	Deta (197-59ta) Human mRNA for transforming growth factor-	Human mRNA for HLA-D class II antigen DO beta	Human mRNA for HLA-D class II antigen DO beta	Human mRNA for HLA-D class II antigen DO beta	Human mRNA for HLA-D class II antigen D@w1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DOw1.1 beta chain
	GEN-XR	GEN-XR	GEN-XR	GEN-XR	GEN-XR	GEN-XR	GEN-XR	GEN-ZG	GEN-ZG	GEN-ZG	GEN-ZH	GEN-ZH	GEN-ZH
	190180	190180	190180	190180	X02812 190180	190180	190180	600629	600629	600629	142857	142857	142857
	X02812 190180	X02812	X02812	X02812	X02812	X02812	X02812	X03066	X03066	X03066	X03068	X03068	X03068
	X02812	X02812	X02812	X02812	X02812	X02812	X02812	HLA-DOB	HLA-DOB	HLA-DOB	X03068	X03068	X03068

ဟ	Ø	1148V	S157G	R162Q	တ	w	ဟ	Ś	R199H	ဟ	S229N	V235I	Ø
237C>T	327G>A	442A>G	469A>G	485G>A	516C>T	537C>T	546C>T	558C>T	596G>A	603T>C	686G>A	703G>A	735T>C
318	408	523	550	999	297	618	627	639	229	684	767	784	816
Human mRNA for HLA-D class II antigen DQw1.1 beta chain	Human mRNA for HLA-D class II antigen D@w1.1 beta chain	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen D@w1:1	Human mRNA for HLA-D class II antigen DOw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1
GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH
142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857
X03068 142857	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068
X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068

	တ	R256Q	က	က	ო	က	ო	က	က	က	က	က	ო	ო
	741T>G	767G>A	798G>A	808A>G	811C>T	843C>G	917A>G	992A>T	1001A>G	1014C>T	1026C>T	1036A>T	1047G>A	1052C>T
	822	. 848	879	883	892	924	866	1073	1082	1095	1107	1117	1128	1133
ישנים בנישוו	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DOw1.1	Human mRNA for HLA D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D class II antigen DQw1.1	Human mRNA for HLA-D
	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH	GEN-ZH
	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857
	X03068 142857	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068 142857
	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068	X03068

	ო	T13A	တ	L961	R100K	တ	S133A	K134R	P137T	ဟ	S149N	G154A	R162L
	1099C>T	37A>G	42G>T	286C>A	299G>A	390G>A	397T>G	401A>G	409C>A	438C>T	446G>A	461G>C	485G>T
	1180	66	104	348	361	452	459	463	471	200	208	523	547
class II antigen DCw1.1	Human mRNA for HLA-D class II antigen DQw1.1 beta chain	Human mRNA for HLA-D class II antigen DR1 beta chain	Human mRNA for HLA-D class II antigen DR1 beta chain	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta chain
	GEN-ZH	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI
	X03068 142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857
	X03068	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	890E0X	X03069
	X03068	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069

ဟ	G164S	A169T	V171M	တ	တ	Q178H	ဟ	ဟ	ဟ	ဟ	T210M	တ	R218S
489C>T	490G>A	505G>A	511G>A	522A>G	531C>T	534G>C	543T>C	570G>A	585G>A	624T>C	629C>T	630G>A	654A>T
551	552	267	573	584	593	296	605	632	647	686	691	692	. 716
Human mRNA for HLA-D class II antigen DR1 beta chain	Human mRNA for HLA-D class II antigen DR1 beta chain	Human mRNA for HLA-D class II antigen DR1 beta chain	Human mRNA for HLA-D class II antigen DR1 beta chain	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta chain	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta
GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI
142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857
X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069
X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069

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R2200	V232I	ဟ	ဟ	R251K	T262R	ო	က	ო	က	က	ო	ო	က
659G>A	694G>A	705C>T	738G>A	752G>A	785C>G	803A>G	806C>A	831C>T	837T>C	841A>G	851A>G	926G>A	942G>A
721	756	792	. 800	814	847	865	868	893	899	903	913	988	1004
chain Human mRNA for HLA-D class II antigen DR1 beta	chain Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D class II antigen DR1 beta	Human mRNA for HLA-D
GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI
142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857	142857
X03069 142857	X03069	X03069	X03069 142857	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069 142857
X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069	X03069

	က	ო	က	ო	က	ဟ	ო	က	ო	H 110	S40L	V68M	N126D	က	က	ო
	965C>T	1043G>C	1066C>T	1077C>T	1078G>C	555G>A	1204C>T	3432T>C	3651C>A	33C>G	119C>T	202G>A	376A>G	1745T>C	1772T>C	1871G>A
	1027	1105	1128	1139	1140	586	1235	3732	3951	503	589	672	846	2215	2242	2341
class It antigen DR1 beta chain	Human mRNA for HLA-D class II antigen DR1 beta chain	Human mRNA for HLA-D class II antigen DR1 beta chain	Human mRNA for HLA-D class II antigen DR1 beta chain	Human mRNA for HLA-D class II antigen DR1 beta chain	Human mRNA for HLA-D class II antigen DR1 beta chain	Human mRNA for granulocyte colony-stimulating factor (G-CSF)	Human mRNA for granulocyte colony-stimulating factor (G-CSF)	Colony stimulating factor 1 receptor	Colony stimulating factor 1 receptor	Glucose-6-phosphate dehydrogenase	Glucose-6-phosphate	Glucose-6-phosphate dehydrogenase				
	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PI	GEN-PM	GEN-PM	GEN-51	GEN-51	GEN-9K	GEN-9K	GEN-9K	GEN-9K	GEN-9K	GEN-9K	GEN-9K
	142857	142857	142857	142857	142857	138970	138970	164770	164770	305900	305900	305900	305900	305900	305900	305900
	X03069 142857	X03069	X03069	X03069 142857	X03069	X03438	X03438	X03663	X03663	X03674	X03674	X03674	X03674	X03674	X03674	X03674
	X03069	X03069	X03069	X03069	X03069	X03438	X03438	X03663	X03663	X03674	X03674	X03674	X03674	X03674	X03674	X03674

ဟ	ო	ო	Ø	ო	ო :	1201T	ო	L847I	သ	ဟ	ဟ	ဟ	ო	G366E	Y402H	P14A
54C>T	1204T>A	2012G>A	402T>C	601G>A	4071G>A	602T>C	1122C>T	2539C>A	(-54)G>C	804G>A	1191T>C	1770C>T	1014C>A	1097G>A	1204T>C	40C>G
108	1258	2084	402	601	4507	698	1121	2562	83	940	1327	1906	1032	1170	1277	44
CD3E antigen, epsilon	polypeptide (TH s complex) CD3E antigen, epsilon polypeptide (TiT3 complex)	Human mRNA for lymphocyte glycoprotein T1/Leu-1	Human CD1 mRNA fragment for HTA1 thymocyte antigen	Human	Human mRNA for kidney epidermal growth factor (EGF) precursor	Human mRNA for serum amylold P component (SAP)	Human mRNA for CD7 antigen (gp40)	Human mRNA for fibronectin receptor alpha subunit	Protein kinase C, beta 1	Human mRNA for TCR- delta chain	Human mRNA for truncated form of complement factor H	Human mRNA for truncated form of complement factor H	Human mRNA for manganese superoxide dismutase (EC 1.15.1.1)			
GEN-52	GEN-52	GEN- 14D	GEN-14J	GEN- 14K	GEN- KY0	GEN-PQ	GEN- 19A	GEN- 19B	GEN-KY	GEN-KY	GEN-KY	GEN-KY	GEN- 19M	GEN- 1E5	GEN- 1E5	GEN- 1ES
186830	186830	None	188370	153390	131530	104770	186820	135620	176970	176970	176970	176970	186810	134371	134371	147460
X03884	X03884	X04391	X04450	X04476	X04571	X04608	X06180	X06256	X06318	X06318	X06318	X06318	X06557	X07523	X07523	X07834
X03884	X03884	X04391	CD1A	X04476	X04571	X04608	X06180	ITGA5	X06318	X06318	X06318	X06318	TCRD	X07523	X07523	SOD2

V16A	T65N	182T	Ø	w	ო	ო	ო	ო	Ω	က	က	က	P13L	ო
47T>C	194C>A	245T>C	1086A>C	1176A>C	2610T>C	2775T>A	3236A>G	3428G>A	(-1)C>T	1285T>G	1303C>T	1390G>A	38C>T	1225G>A
51	198	249	1189	1279	2713	2878	3339	3531	128	1413	1431	1518	131	1318
Human mRNA for manganese superoxide	dismutase (EC 1.15.1.1) Human mRNA for manganese superoxide	Human mRNA for manganese superoxide	districtions (EC 1.13.1.1) Human mRNA for fibronectin receptor beta	Human mRNA for fibronectin receptor beta	Human mRNA for fibronectin receptor beta subunit	Human mRNA for fibronectin receptor beta	Human mRNA for fibronectin receptor beta	Human mRNA for fibronectin receptor beta	Human mRNA for vascular	Human mRNA for vascular anticoagulant	Human mRNA for vascular	Human mRNA for vascular anticoaculant	Human mRNA for B lymphocyte antigen CD20 (B1, Bp35)	Human mRNA for B lymphocyte antigen CD20 (B1, Bp35)
GEN- 1ES	GEN- 1ES	GEN- 1ES	GEN- 4E5	GEN- 4E5	GEN- 4E5	GEN- 4E5	GEN- 4E5	GEN- 4E5	GEN-	GEN-	GEN-	GEN-	GEN-	GEN- 1MH
147460	147460	147460	135630	135630	135630	135630	135630	135630	131230	131230	131230	131230	112210	112210
X07834	X07834	X07834	X07979	X07979	X07979	X07979	X07979	X07979	X12454	X12454	X12454	X12454	X12530	X12530
SOD2	SOD2	SOD2	ITGB1	ITGB1	ITGB1	ITGB1	ITGB1	ITGB1	ANX5	ANX5	ANX5	ANX5	X12530	X12530

Ø	A473T	တ	တ	E145Q		K186E	က		S		D324N	v.)	က		က		က		က	,	n	K36R		ဟ		N47T		တ	C	n
1239T>C	1417G>A	18G>T	405T>C	433G>C	,	556A>G	3666T>G		159T>C		970G>A	1125G>A		1128G>A		1138G>T		1167C>T		1181G>A		1243G>A	107A>G		108G>A		140A>C		231G>T		35/A>G
1298	1476	₹	441	469		265	3710		195		1006	1161	2	1164		1174		1203		1217		1279	131	•	132		164		255	č	381
POU domain, class 2,	POU domain, class 2, transcription factor 1	Human mRNA for oreprokallikrein (EC 3.4.21)	Human mRNA for	preprokallikrein (EC 3.4.21) Human mRNA for	preprokallikrein (EC 3.4.21)	Human mRNA for	preprovalintein (EC 3.4.2.1) Human mRNA for	leukaemia inhibitory factor	Human mRNA for high	affinity Fc receptor (FcRI)	Human mRNA for high	affinity Fc receptor (FcRI) Himan mRNA for bigh	affinity Fc receptor (FcRI)	Human mRNA for high	affinity Fc receptor (FcRI)	Human mRNA for high	affinity Fc receptor (FcRI)	Human mRNA for high	affinity Fc receptor (FcRI)	Human mRNA for high	affinity Fc receptor (FcRI)	Human mRNA for high	Human mRNA for la	lambda-chain	Human mRNA for Ig	lambda-chain	Human mRNA for Ig	lambda-chain	Human mRNA for Ig	lambda-cnain	Human mKNA 10r ig Iambda-chain
GEN-L8	GEN-L8	GEN-	GEN-	S G	10 H	GEN	9 2 3 5 4 5	1PZ	GEN	1R0	GEN.	180 180	18	GEN-	1R0	GEN.	1R0	GEN-	1R0	GEN-	1 ₈	GEN	S HE	18	GEN-	<u>\$</u>	GEN	1RJ	SEN GEN	Z ;	18.4
164175	164175	147910	147910	147910		147910	159540		146760		146760	146760	00/04	146760		146760		146760		146760		146760	None		None		None		None		None
X13403	X13403	X13561	X13561	X13561		X13561	X13967		X14356		X14356	Y14356	74330	X14356		X14356		X14356		X14356		X14356	X14583		X14583		X14583		X14583	1	X14583
X13403	X13403	X13561	X13561	X13561		X13561	LIF.		X14356		X14356	×4.4.546	V 4550	X14356		X14356		X14356		X14356		X14356	X14583		X14583		X14583		X14583		X14583

L126V	G130S	တ	တ	K172N	P177T	ဟ	ဟ	တ	R212K	c	,	က	m	,	က	တ	~)	S	S	တ		S
376C>G	388G>A	426G>A	498C>T	516G>C	529C>A	570A>G	600T>C	615T>C	635G>A	7447)	716A>T	728C>A		834C>G	1359C>T	1575T>C		1044G>A	822G>A	744G>A		(-12)T>G
400	412	450	522	540	553	594	624	639	629	738	2	740	752		828	1375	1591	2	1144	884	842		14
Human mRNA for ig	Human mRNA for Ig Iambda-chain	Human mRNA for lg lambda-chain	Human mRNA for Ig	Human mRNA for Ig	lambda-chain Human mRNA for tg	lambda-chain Human mRNA for lo	lambda-chain	gi loi Cylviii ilailinii pieda-epdmel	Human mRNA for tg	lambda-chain Human mRNA for lo	lambda-chain	Human mRNA for Ig	lamoda-chain Nicotinic, Cholinergic	receptor beta 1	receptor beta 1	Muscarinic receptor,	Intercellular adhesion	molecule 2 Human mRNA for	interferon regulatory factor-	Human mRNA for putative cytokine 21 (HC21)			
GEN	GEN-	GEN-	GEN-	GEN-	SEN TO	GEN-	GEN-	GEN-	1RJ GEN-	18.	4. E	GEN	GEN-	<u>R</u>	ĠĘ,	GEN	4 H.Y.	A A	GEN-	GEN-20	GEN.	50	GEN-QT
None	None	None	None	None	Nопе	None	None	None	None	Q C	200	None	None		None	100710	100710	2	None	146630	147576		182284
X14583	X14583	X14583	X14583	X14583	X14583	X14583	X14583	X14583	X14583	V14582	202+	X14583	X14583		X14583	X14830	X14830		X15263	X15606	X15949		X16166
X14583	X14583	X14583	X14583	X14583	X14583	X14583	X14583	X14583	X14583	24.4A	2004	X14583	X14583		X14583	CHRNB1	CHRNR1		X15263	X15606	IRF2		X16166

M12V	P20L	S	S37F	S70G	ဟ	ဟ	တ	~)	ო	ო		ო	ć	ກ	S			က		ო		0	S36R		S	
34A>G	59C>T	63G>A	110C>T	208A>G	222T>C	228T>C	237A>G	323C>T	200	341A>C	343A>G		385C>T		48/G>C	138T>C			679A>T		752T>C		0	108C>G		114T>C	
86	11	115	162	260	274	280	289	175	5	393	395		437	i	0 4 9	271			812		885		;	141		147	
Human mRNA for putative	Cylokine 21 (nC21) Human mRNA for putative	Human mRNA for putative	Human mRNA for putative	cytokine 21 (HC21) Human mRNA for putative	cytokine 21 (HC21)	cytokine 21 (HC21)	Human mRNA for putative	cytokine 21 (HCZ1) Human mRNA for putative	cytokine 21 (HC21)	Human mRNA for putative	cytokine 21 (HC21)	Human mKNA 10r putative	Human mRNA for	phosvitin/casein kinase II	beta subunit	Human mRNA for	pnosvitin/casein Kinase II beta subunit	Human mRNA for	phosvitin/casein kinase II	Deta subunit	Human Fc-gamma KIII-1	receptor III-1 (CD 16)	Human Fc-gamma RIII-1	cDNA for Fc-gamma receptor III-1 (CD 16)			
GEN-QT	GEN-QT	GEN-OT	GEN-QT	GEN-QT	GEN-QT	GEN-OT	GEN-OT	TOTAL		GEN-QT	GEN-QT		GEN-QT	1	2 2 2 3	GEN.	1XW		GEN-	ΛXL	GEN-	1XW	i	GEN-	<u>}</u>	GEN-	₹
182284	182284	182284	182284	182284	182284	182284	182284	182284	5440	182284	182284		182284		182284	115441			115441		115441			146740		146740	
X16166	X16166	X16166	X16166	X16166	X16166	X16166	X16166	×16466		X16166	X16166		X16166		X16166	X16312			X16312		X16312			X16863		X16863	
X16166	X16166	X16166	X16166	X16166	X16166	X16166	X16166	V18166		X16166	X16166		X16166		X16166	CSNK2B			CSNK2B		CSNK2B			X16863		X16863	

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N82D	D147G	H158Y	တ	V176F	LL	က	က	ဟ	D54N	ဟ	ო	က	က	ო
244A>G	440A>G	472C>T	498T>C	526G>T	700T>C	733C>T	796G>A	87T>C	160G>A	363C>T	945C>T	4145T>G	4801A>G	4849A>G
277	473	505	531	559	733	766	829	210	283	486	1068	4193	4849	4897
Human Fc-gamma RIII-1 cDNA for Fc-gamma recentor III-1 (CD 16)	Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16)	Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16)	Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16)	Human Fc-gamma Rill-1 cDNA for Fc-gamma	Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16)	Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16)	Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor III-1 (CD 16)	Human mRNA for T-cell surface alvooprotein E2	Human mRNA for T-cell surface alycoprotein E2	Human mRNA for T-cell surface divocoprotein E2	Human mRNA for T-cell surface alvooprotein E2	Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2	Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)
GEN-	GEN-	GEN- 1YV	GEN-	GEN- 1YV	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-LG	GEN-LG	GEN-LG
146740	146740	146740	146740	146740	146740	146740	146740	313470	313470	313470	313470	192974	192974	192974
X16863	X16863	X16863	X16863	X16863	X16863	X16863	X16863	X16996	X16996	X16996	X16996	X17033	X17033 192974	X17033 192974
X16863	X16863	X16863	X16863	X16863	X16863	X16863	X16863	MIC2	MIC2	MIC2	MIC2	X17033	X17033	X17033

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ო	S	S344G	w	V368G	တ	R497G	Q540H	V582L	ო	w	တ
997G>T	7777>C	1030A>G	1035G>A	1103T>G	1140C>T	1489C>G	1620G>T	1744G>C	1934T>A	15G>A	36G>A
1021	849	1102	1107	1175	1212	1561	1692	1816	2006	50	4
core protein Human mRNA for hematopoetic proteoglycan	Human mRNA for 1gM heavy chain complete	Sequence Human mRNA for IgM heavy chain complete	Human mRNA for IgM heavy chain complete	sequence Human mRNA for IgM heavy chain complete	Human mRNA for IgM heavy chain complete	Human mRNA for IgM heavy chain complete	Human mRNA for IgM heavy chain complete	Human mRNA for IgM heavy chain complete	Human mRNA for IgM heavy chain complete	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antigen
GEN-	GEN- 12X	GEN-	GEN- 1ZX	GEN- 1ZX	GEN-	GEN-	GEN- 1ZX	GEN- 1ZX	GEN- 1ZX	GEN-205	GEN-205
177040	147020	147020	147020	147020	147020	147020	147020	147020	147020	142871	142871
X17042	X17115	X17115	X17115	X17115	X17115	X17115	X17115	X17115	X17115	X17273	X17273 142871
X17042	IGHM	ĭGHM MH	IGHM	IGHM	IGHM	IGHM	IGHM	IGHM	IGHM .	HLA-G	HLA-G
	Core protein X17042 177040 GEN- Human mRNA for 1021 997G>T 1ZN hematopoetic proteoglycan	Core protein X17042 177040 GEN- Human mRNA for 1021 997G>T 1ZN hematopoetic proteoglycan Core protein X17115 147020 GEN- Human mRNA for IgM 849 777T>C 1ZX heavy chain complete	Core protein X17042 177040 GEN- Human mRNA for 1021 997G>T 1ZN hematopoetic proteoglycan Core protein X17115 147020 GEN- Human mRNA for IgM Sequence X17115 147020 GEN- Human mRNA for IgM 1ZX heavy chain complete Sequence X17115 147020 GEN- Human mRNA for IgM 1ZX heavy chain complete	Core proteln X17042 177040 GEN- Human mRNA for 1021 997G>T 1ZN hematopoetic proteoglycan Core protein Sequence X17115 147020 GEN- Human mRNA for igM 1102 1030A>G 1ZX heavy chain complete Sequence Sequence X17115 147020 GEN- Human mRNA for igM 1107 1035G>A 1ZX heavy chain complete	Core protein X17042 177040 GEN- Human mRNA for 1021 997G>T 1ZN hematopoetic proteoglycan Core protein X17115 147020 GEN- Human mRNA for IgM 1102 1030A>G 1ZX heavy chain complete Sequence X17115 147020 GEN- Human mRNA for IgM 12X heavy chain complete Sequence X17115 147020 GEN- Human mRNA for IgM 12X heavy chain complete Sequence X17115 147020 GEN- Human mRNA for IgM 1175 1103T>G 12X heavy chain complete Sequence X17115 147020 GEN- Human mRNA for IgM 1175 1103T>G 12X heavy chain complete	Core protein X17042 177040 GEN- Human mRNA for 1021 997G>T 1ZN hematopoetic proteoglycan Core protein X17115 147020 GEN- Human mRNA for igM 1102 1030A>GEN- Human mRNA for igM 1102 1030A>GEN- Human mRNA for igM 1102 1035G>A 1ZX heavy chain complete Sequence X17115 147020 GEN- Human mRNA for igM 12X heavy chain complete Sequence X17115 147020 GEN- Human mRNA for igM 12X heavy chain complete Sequence Sequ	Core protein X17042 177040 GEN- Human mRNA for 1021 997G>T 1ZN hematopoetic proteoglycan Core protein Sequence X17115 147020 GEN- Human mRNA for IgM 1ZX heavy chain complete Sequence X17115 147020 GEN- Human mRNA for IgM 1ZX heavy chain complete Sequence X17115 147020 GEN- Human mRNA for IgM 1ZX heavy chain complete Sequence Seq	Core protein X17042 177040 GEN- Human mRNA for 1021 997G>T 1ZN hematopoetic proteoglycan Core protein X17115 147020 GEN- Human mRNA for igM 1ZX heavy chain complete Sequence X17115 147020 GEN- Human mRNA for igM 1ZX heavy chain complete Sequence X17115 147020 GEN- Human mRNA for igM 1ZX heavy chain complete Sequence X17115 147020 GEN- Human mRNA for igM 1ZX heavy chain complete Sequence X17115 147020 GEN- Human mRNA for igM 1ZX heavy chain complete Sequence X17115 147020 GEN- Human mRNA for igM 1ZX heavy chain complete Sequence X17115 147020 GEN- Human mRNA for igM 1ZX heavy chain complete Sequence X17115 147020 GEN- Human mRNA for igM 1ZX heavy chain complete Sequence Sequence X17115 147020 GEN- Human mRNA for igM 1ZX heavy chain complete Sequence	Core protein core protein to the matopoetic proteoglycan core protein to the man mRNA for IgM to the man complete man compl	X17042 T77040 GEN- GEN- Human mRNA for IgM core protein Human mRNA for IgM core protein 997G>T X17115 147020 GEN- Human mRNA for IgM complete 1030A>G 1030A>G X17115 147020 GEN- Human mRNA for IgM complete 1035G>A complete 1035G>A complete X17115 147020 GEN- Human mRNA for IgM complete 1107 1035G>A complete X17115 147020 GEN- Human mRNA for IgM complete 1175 1103T>G complete X17115 147020 GEN- Human mRNA for IgM complete 1212 1140C>T complete X17115 147020 GEN- Human mRNA for IgM complete 1212 1140C>T complete X17115 147020 GEN- Human mRNA for IgM complete 122 144G>C complete X17115 147020 GEN- Human mRNA for IgM complete 124 complete 124 complete X17115 147020 GEN- Human mRNA for IgM complete 124 complete 124 complete X17115 147020 GEN- Human mRNA for IgM complete 124 complete 124 complete X17115 147020 GEN- Human mRNA for IgM comple	Core protein Core protein

v	w	w	w	w	w	ო	ო	ო	ო	ო
243G>A	351C>T	807A>C	834G>A	942C>T	999A>G	1118G>C	1135C>A	1143C>T	1249T>G	1250C>G
248	356	812	839	947	1004	1123	1140	1148	1254	1255
Human HLA G (HLA 6.0) mRNA for non classical class I transplantation antiden	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation	Human HLA G (HLA 6.0) mRNA for non classIcal class I transplantation	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation	Human HLA G (HLA 6.0) mRNA for non classical class I transplantation	Human HLA G (HLA 6.0)
GEN-205	GEN-205	GEN-205	GEN-205	GEN-205	GEN-205	GEN-205	GEN-205	GEN-205	GEN-205	GEN-205
142871	142871	142871	142871	142871	142871	142871	142871	142871	142871	
X17273	X17273	X17273	X17273 142871	X17273	X17273	X17273	X17273	X17273 142871	X17273	X17273 142871
HLA-G	HLA-G	HLA-G	HLA-G	HLA-G	HLA-G	HLA-G	HLA-G	HLA-G	HLA-G	HLA-G

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	423G>A	939C>T	957T>C	1083A>G	1323T>C	1383A>G	2196C>T	1152G>A	1539C>G	1590C>T	1632C>T	1687C>T	1804G>C	1930C>T	979T>G	1794G>A	2869G>A	3114A>G	3216C>T	881A>C	1323C>T
	588	1104	1122	1248	1488	1548	2361	1262	1649	1700	1742	1797	1914	2040	979	1794	3044	3289	3391	808	1357
mRNA for non classical class I transplantation antigen	Dopamine Receptor D2	Endothelin 3	H.sapiens transcription factor (ITF-2) mRNA, 3 end	H.saplens transcription factor (ITF-2) mRNA, 3 end	Interleukin 4 receptor	Interleukin 4 receptor	Interleukin 4 receptor	Protein kinase C, alpha	H.sapiens CD22 mRNA												
	GEN- 31W	GEN-	GEN-	GEN- 31W	GEN-	GEN- 31W	GEN-	GEN-	GEN-	GEN- 33E	GEN-	GEN-	GEN-	GEN- 33E	GEN- 33B	GEN- 33B	GEN-29	GEN-29	GEN-28	GEN-LM	GEN- 33Z
•	126450	126450	126450	126450	126450	126450	126450	131242	131242	131242	131242	131242	131242	131242	602272	602272	147781	147781	147781	176960	107266
	X51362	X52001	X52079	X52079	X52425	X52425	X52425	X52479	X52785												
	X51362	EDN3	X52079	X52079	X52425	X52425	X52425	X52479	CD22												

र त्यास र अवस्थितस्य विकास विकास है। स्थानिक स्थानिक विकास सम्बद्धीय है ।

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1497C>T	212A>G	552C>T	354C>T	1040G>T	1153G>A	1169G>A	1179G>A	1206C>T	1211C>T	1212G>A	1214G>A	1215T>C	1222C>T	1226G>A
1531	212	552	510	1196	1309	1325	1335	1362	1367	1368	1370	1371	1378	1382
H.sapiens CD22 mRNA	Nicotinic, Cholinergic receptor albha 3	Nicotinic, Cholinergic receptor alpha 3	Human R2 mRNA for an inducible membrane protein	Human R2 mRNA for an inducible membrane protein	Human R2 mRNA for an inducible membrane protein	Human R2 mRNA for an inducible membrane protein	Human R2 mRNA for an inducible membrane protein	Human R2 mRNA for an inducible membrane protein	Human R2 mRNA for an inducible membrane protein	Human R2 mRNA for an inducible membrane protein	Human R2 mRNA for an inducible membrane			
GEN-	GEN-34	GEN-341	GEN- 34P	GEN- 34P	GEN- 34P	GEN- 34P	GEN- 34P							
107266	118503	118503	600623	600623	600623	600623	600623	600623	600623	600623	600623	600623	600623	600623
X52785	X53559	X53559	X53795	X53795	X53795	X53795	X53795							
. CD22	CHRNA3	CHRNA3	KAI1	KA!	KA!	KA!	XAI 1	KAI1	KAI1	X TAT	KA!	KA!1	KAIT	X F

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1236C>T		1267C>T	356C>T	497C>G	589C>G	324A>G	90G>A		2448T>C	1024G>C	1050T>A	1068A>T	1105G>A	1189C>T	(-12)G>C		
1392		1423	484	625	717	363	168		2549	1188	1214	1232	1269	1353	28		
Human R2 mRNA for an	inducible membrane	Human R2 mRNA for an inducible membrane	protein Human NKG5 mRNA, expressed in natural killer	cells and 1-cells Human NKG5 mRNA, expressed in natural killer	Human NKG5 mRNA, expressed in natural killer cells and T-cells	Human mRNA for Fc	Phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase,	phosphortbosylaminoimida zole synthetase	Human mRNA for N-	cadherin Human mRNA for NKG2-A	gene Human mRNA for NKG2-A	gene Human mRNA for NKG2-A	Human mRNA for NKG2-A	Gene Human mRNA for NKG2-A	Human mRNA for	acetylglucosaminide-(beta 1->4) galactosyltransferase	
GEN-	34P	GEN- 34P	GEN- 34W	GEN- 34W	GEN- 34W	GEN-	GEN-LS		GEN-351	GEN	S A	Ş B B B B B B B B B B B B B B B B B B B	GEN	GEN-	GEN-364		
600623		600623	None	None	None .	147045	138440		114020	161555	161555	161555	161555	161555	137060		
X53795		X53795	X54101	X54101	X54101	X54150	X54199		X54315	X54867	X54867	X54867	X54867	X54867	X55415		
X F		KAI1	X54101	X54101	X54101	FCAR	X54199		X54315	X54867	X54867	X54867	X54867	X54867	X55415		

ις	Ø	H244R	Ø	ო	1817	V183M	က	Ø	ო	ო	က	1393V	D697G
(-10)C>G	492G>A	731A>G	1002G>A	3324T>G	241A>G	547G>A	931G>A	60C>A	763T>C	1152C>T	1177C>T	1177A>G	2090A>G
30	531	770	1041	3373	330	636	1020	432	1135	1317	1342	1207	2120
Human mRNA for UDP_galactose:N-acety/glucosaminide-(beta 1-&nt-4)	galactosyltransferase Human mRNA for UDP_galactose:N- acetylglucosaminide-(beta	1->4) galactosyltransferase Human mRNA for UDP_galactose:N- acetylglucosaminide-(beta	1-8gt;4) galactosyltransferase Human mRNA for UDP_galactose:N- acetylglucosaminide-(beta	galactosyltransferase Human placental cDNA coding for 5nucleotidase	(EC 371.3.5) H.sapiens mRNA for C-	H. sapiens mRNA for C-	H.sapiens mRNA for C-	reactive protein H.sapiens mRNA for HS1	protein H.sapiens mRNA for HS1	protein H.sapiens mRNA (clone	H.sapiens mRNA (clone	H.sapiens RING4 cDNA	H.sapiens RING4 cDNA
GEN-364	GEN-364	GEN-364	GEN-364	GEN- 36H	GEN-373	GEN-373	GEN-373	GEN-	GEN-	GEN-	GEN-	GEN-	GEN- 37W
137060	X55415 137060	137060	X55415 137060	129190	123260	123260	123260	601289	601289	601290	601290	170260	170260
X55415	X55415	X55415	X55415	X55740	X56692	X56692	X56692	X57346	X57346	X57348	X57348	X57522	X57522
X55415	X55415	X55415	X55415	X55740	CRP	CRP	CRP	YWHAB	YWHAB	X57348	X57348	X57522	X57522

C167R		u.		S182N		O186H			E191K		ш	L		c	n			Y232C		•	ო			က		u	0	ო	ო		.თ	c	9		ო	
499T>C		524G>A		545G>A		558A>C			571G>A		1000) 		4	038C>A			695A>G		!	714C>T			724C>T		C. T. C. A.	7/1701	744A>G	864T>G		1901T>C	0.000	ZOSDAZO		2172A>G	
499		524		545		2,5	9		571		0	010		0	639		1	695			714			724		744	/ 4.7	807	927		1964	0	9777		2304	
Human rearranged	immunoglobulin lambda light chain mRNA	Human rearranged	immunoglobulin lambda light chain mRNA	Human rearranged	immunoglobulin lambda		immunoalobulin lambda	light chain mRNA	Human rearranged	immunoglobulin lambda	Ingnt chain meny	Human rearranged	immunoglobulin lambda	ANYIII DIEUS Jubii	Human rearranged	immunoglobulin lambda	light chain mRNA	Human rearranged	immunoglobulin lambda	light chain mRNA	Human rearranged	immunoglobulin lambda	light chain mRNA	Human rearranged	immunoglobulin lambda	Ilgnt chain miking	Serotonin 3-H i z receptor	Interleukin 11	Interleukin 11		Interleukin 11		H.sapiens atk mKNA for	agammagiobulinaemia tyrosine kinase	H.saplens atk mRNA for	
GEN-389	٠	GEN-389		GEN-389			807-NII5	٠	GEN-389		1	GEN-389			GEN-389			GEN-389			GEN-389			GEN-389		í	CHR- 7	GEN-	NEG NEG	380	GEN	386	- SEC	YAS S	GEN-	
None		None		None		1	None		None		:	None		:	None			None			None			None			182135	147681	147681		147681		300300		300300	
X57819		X57819		X57819		0.70	X2/818		X57819			X57819			X57819			X57819			X57819			X57819			X57830	X58377	X58377		X58377	1	X58957		X58957	
X57819		X57819		X57819		0,70	818/cX		X57819			X57819			X57819			X57819			X57819			X57819			X57830	X58377	X58377	10000	X58377		BTK		ВТК	

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	(-48)A>G	90G>A	198G>A	1263G>A	1764A>C	1769C>A	186C>G	188G>C	(-257)G>A		(-23)C>T		815C>T		815C>T		1041C>T		1051G>T		1124C>T		1233G>A	
	229	366	474	1539	2040	2045	186	188	102		336		1173		1173		1399		1409		1482		1591	
agammaglobulinaemia	both dopaminergic receptor	D1 dopaminergic receptor	D1 dopaminergic receptor	D1 dopaminergic receptor	D1 dopaminergic receptor	D1 dopaminergic receptor	H.sapiens mRNA for	integrin alpha6 subunit H.sapiens mRNA for	integrin alpha6 subunit Human mRNA for	pancreatic gamma-	glutarnylitatisterase Human mRNA for	pancreatic gamma-	glutamyitransferase Human mRNA for	pancreatic gamma-	glutamyitransferase Human mRNA for	pancreatic gamma-	glutamyltransferase Human mRNA for	pancreatic gamma-	glutamyltransferase Human mRNA for	pancreatic gamma-	Human mRNA for	pancreatic gamma-	glotalliyitaristerase Human mRNA for pancreatic gamma-	,
39A	GEN-		GEN	9. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	9 8 H 7 5	GEN- FI	GEN	39W GEN-	39W GEN-	3AJ	GEN-	347	GEN-	3AJ	GEN-	3AJ	GEN-	3AJ	GEN-	3 Y 7	GEN-	3 4 7	GEN-	; ;
	126449	126449	126449	126449	126449	126449	147556	147556	231950		231950		231950		231950		231950		231950		231950		231950	
	X58987	X58987	X58987	X58987	X58987	X58987	X59512	X59512	69009X		69009X		89009X		69009X		69009X		89009X		89009X		89009X	
	DRD1	DRD1	DRD1	DRD1	DRD1	DRD1	ITGA6	ITGA6	69009X		69009X		69009X		69009X		69009X		69009X		X60069		69009X	

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	1266C>T	1279C>A	1293C>T		1304T>C		1425A>G		1436C>T			1437G>A		!	1623C>T		1649C>T			1673C>T		1689C>T		1789C>T		1818C>T		1866C>A	
	1624	1637	1651		1662		1783		1794	•		1795		į	1981		2007			2031		2047		2147		2176		2224	
glutamyltransferase	Human mRNA for pancreatic gamma-	Human mRNA for	glutamyltransferase Human mRNA for	pancreatic gamma-	Human mRNA for	pancreatic gamma- olutamyltransferase	Human mRNA for	pancreatic gamma-	glutamyltransferase Human mRNA for	pancreatic gamma-	glutamyltransferase	Human mRNA for	pancreatic gamma-	glutamyltransferase	Human mRNA for	pancreatic gamma-	Human mRNA for	pancreatic gamma-	glutamyltransferase	Human mRNA for	pancreatic gamma- olutamyltransferase	Human mRNA for	pancreatic gamma-	Human mRNA for	pancreatic gamma-	Human mRNA for	pancreatic gamma-	glutamyltransferase Human mRNA for	
	GEN-	GEN-	Z Ż	347	GEN-	3 4 7	GEN-	3AJ	n N	3A.		GEN-	3 Y 1	į	GEN	3AJ	GEN-	3AJ		GEN	347	GEN-	3 4 7	GEN-	3AJ	SEN.	347	GEN-	
	231950	231950	231950		231950		231950		231950			231950			231950		231950			231950		231950		231950		231950		231950	
	X60069	69009X	69009X		89009X		69009X		xeonea			69009X			69009X		X60069			69009X		X60069		69009X		X60069		X60069	
3*	x60069	89009X	69009X		69009X		69009X		XANAGA			69009X			69009X		69009X		-	69009X		69009X		69009X		89009X		69009X	

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	2436T>C		96A>C		4088	5/4021		1394G>A			1659C>T			1716T>C			2869G>A			2294C>T		2308A>G			2353G>C			2499C>G			2537A>T		1	4123G>C			968T>C	
	2556		203		1272	7/61		1501			1766			1823			2976			2457		2308			2353			2499			2537		;	4123			296	
pancreatic gamma-	glutamyltransferase H.sapiens CD6 mRNA for	T cell glycoprotein CD6	Adrenergic receptor (Beta	kinase 1-phosphorylates	Administration receptor (Detail	Adrerrergic receptor (pera kinase 1-phosphorylates	beta adrenergic receptor)	Adrenergic receptor (Beta	kinase 1-phosphorylates	beta adrenergic receptor)	Adrenergic receptor (Beta	kinase 1-phosphorylates	beta adrenergic receptor)	Adrenergic receptor (Beta	kinase 1-phosphorylates	beta adrenergic receptor)	Adrenergic receptor (Beta	kinase 1-phosphorylates	beta adrenergic receptor)	H.sapiens mRNA for NF-	kB subunit	H.sapiens mRNA for	growth factor receptor	tyrosine kinase	H.sapiens mRNA for	growth factor receptor	tyrosine kinase	H.sapiens mRNA for	growth factor receptor	tyrosine kinase	H.saplens mRNA for	growth factor receptor	tyrosine kinase	H.sapiens mRNA for	growth factor receptor	tyrosine kinase	H.sapiens RNA for Fc	iccopioi, i cro
3 4 7	GEN-3BI		GEN-23		20 1430	GEIN-K3		GEN-23			GEN-23			GEN-23			GEN-23			GEN-	3BW	GEN-	382		GEN-	382	į	GEN	3BZ	i	GEN-	382		GEN-	382	i	GEN GEN) }
	186720		109635		30004	C50601		109635			109635			109635			109635			164012		191306			191306			191306			191306			191306			146790	
	X60992		X61157		V644E7	/61107		X61157			X61157			X61157			X61157			X61498		X61656			X61656			X61656			X61656			X61656			X62572	
	X60992		X61157		724457	/CL.10Y		X61157			X61157			X61157			X61157			NFKB2		KDR			XDX RDR			KDR		!	XDR.		!	KOR			X62572	

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1241A>G	1301C>T	1543G>C	1561C>A	1710T>G	1932A>T	2033G>A	2137G>A	2177C>T	2202G>A	496G>A	629G>A	705G>C	1036A>T	1684G>A	411G>C	486G>A	506T>A
1240	1300	1542	1560	1709	1931	2032	2136	2176	2201	142	674	750	1081	1689	421	496	516
H.sapiens RNA for Fc	H.sapiens RNA for Fc	H. sapiens RNA for Fc	H.sapiens RNA for Fo	receptor, PC23 H.sapiens RNA for Fc	H.sapiens RNA for For	H.sapiens RNA for Fc	Human RING6 mRNA for HLA class II alpha chain-	Human RING6 mRNA for HLA class II alpha chain-	Human RING6 mRNA for HLA class II alpha chain-	Human RING6 mRNA for HLA class II alpha chain-	H.sapiens PTX3 mRNA	H.sapiens mRNA for T-cell antigen receptor beta-	H.sapiens mRNA for T-cell antigen receptor beta-	chain H.sapiens mRNA for T-cell			
GEN		SE SE SE SE SE SE SE SE SE SE SE SE SE S			SES SES	S S S		SEP C	SE S	GEN-	GEN-	GEN.	GEN-	GEN-	GEN- 3DG	GEN- 3DG	GEN-
146790	146790	146790	146790	146790	146790	146790	146790	146790	146790	142855	142855	142855	142855	602492	186930	186930	186930
X62572	X62572	X62572	X62572	X62572	X62572	X62572	X62572	X62572	X62572	X62744	X62744	X62744	X62744	X63053	X63456	X63456	X63456
X62572	X62572	X62572	X62572	X62572	X62572	X62572	X62572	X62572	X62572	X62744	X62744	X62744	X62744	X63053	TCRB	TCRB	TCRB

	Ø	w	w	w	Ø	V268E	ω	w	L290M	R15H	K37Q	G85E	ო
	510C>T	570A>G	744C>T	795T>C	801G>C	803T>A	807C>T	850C>T	868C>A	44G>A	109A>C	254G>A	2225G>T
	520	280	754	805	811	813	817	860	878	ر ح	116	261	2236
antigen receptor beta-	H.sapiens mRNA for T-cell antigen receptor beta-	H.sapiens mRNA for T-cell antigen receptor beta-	H.sapiens mRNA for T-cell antigen receptor beta-	H.sapiens mRNA for T-cell antigen receptor beta-	H.sapiens mRNA for T-cell antigen receptor beta- chain	H.sapiens mRNA for T-cell antigen receptor beta- chain	H.sapiens mRNA for T-cell antigen receptor beta-chain	H.sapiens mRNA for T-cell antigen receptor beta- chain	H.sapiens mRNA for T-cell antigen receptor beta-	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	Nicotinic, Cholinergic receptor epsilon polypeptide
3DG	GEN- 3DG	GEN- 3DG	GEN- 3DG	GEN- 3DG	GEN- 3DG	GEN- 3DG	GEN- 3DG	GEN- 3DG	GEN- 3DG	GEN-6G	GEN-6G	GEN-6G	GEN-5D
	186930	186930	186930	186930	186930	186930	186930	186930	186930	147678	147678	147678	100725
	X63456	X63456	X63456	X63456	X63456	X63456	X63456	X63456	X63456	X65019	X65019 147678	X65019	X66403
	TCRB	TCRB	TCRB	TCRB	TCRB	TCRB	TCRB	TCRB	TCRB	X65019	X65019	X65019	X66403

3D-1441

X66403 X66404 100725 GEN-5D Nicotinic, Cholinergic respired region 2333 2322A>G 3 CD44 X66403 100725 GEN-5D Nicotinic, Cholinergic respired region 2364 2353G>T 3 CD44 X66733 107269 GEN-Buselon mRN4 for applicant more protein an experience protein and exper
X66403 100725 GEN-5D Nicotinic, Cholinergic Polypeptide polypeptide polypeptide 2333 X66733 107269 GEN-5D Nicotinic, Cholinergic Polypeptide (Polypeptide) 2364 X66733 107269 GEN-4D H.sapiens mRNA for Polypeptide (Polypeptide) 384 X67325 600009 GEN-25 Interferon alpha inducible protein 27 320 X67325 600009 GEN-25 Interferon alpha inducible protein 27 485 X67325 600009 GEN-25 Interferon alpha inducible protein 27 485 X67325 600009 GEN-25 Interferon alpha inducible protein 27 485 X67895 114280 GEN-45 Interferon alpha inducible protein 27 485 X67899 114280 GEN-45 Interferon alpha inducible 320 485 X67699 114280 GEN-45 Interferon alpha inducible 320 485 X68996 168468 GEN-25 Interferon alpha inducible 320 485 X68999 146631 GEN-31 H.saplens RM An
X66403 100725 GEN-5D Nicotinic, Cholinergic receptor epsilon polypeptide receptor epsilon all polypeptide receptor epsilon all polypeptide receptor epsilon all polypeptide receptor epsilon polypeptide receptor epsilon all polypeptide receptor epsilon all polypeptide receptor epsilon all polypeptide receptor epsilon eppilon all polypeptide receptor epsilon all polypeptide receptor epsilon eppilon all polypeptide receptor epsilon polypeptide receptor epsilon all polypeptide receptor epsilon polypeptide receptor epsilon polypeptide receptor epsilon polypeptide receptor epsilon polypeptide receptor receptor epsilon polypeptide receptor r
X66403 100725 GEN-5D X66733 107269 GEN-312 X66733 107269 GEN-312 X66733 107269 GEN-25 X67325 600009 GEN-25 Inter X67325 600009 GEN-25 Inter X67325 600009 GEN-25 Inter X67325 600009 GEN-25 Inter X67699 114280 GEN-25 Inter X67699 114280 GEN-25 Inter X67699 114280 GEN-26 FR X69117 109636 GEN-5G FR X69117 109636 GEN-5G FR X69819 146631 GEN-28 Inter X69819 146631 GEN-28 Inter X69819 146631 GEN-28 Inter X69819 146631 GEN-28 Inter X70340 190170 GEN-S3 transf X70811 109691 GEN-S3 transf
X66403 100725 GF X66733 107269 GF X66733 107269 GF X67325 600009 GF X67699 114280 GF X69117 109636 GF X69117 109636 GF X69819 146631 GF X69819 146631 GF X69819 146631 GF X69819 146631 GF X70340 190170 GF X70811 109691 GF
X66403 X66733 X66733 X667325 X67325 X67699 X67699 X67819 X69819 X69819 X69819 X69819 X69819 X69819
X66403 X66403 X66403 CD44 CD44 X67325 X67325 X67699 X67325 X67699 X69819 X69819 X69819 X69819 X69819 X69819 X69819 X69819

Signature
3KK X72012 13195 GEN- Deta-3-adrenergic receptor 315 3KK X72029 163730 GEN- H. Sapiens mRNA for nitric 1380 1 X73029 163730 GEN- H. Sapiens mRNA for nitric 2048 1 3LW H. Sapiens mRNA for nitric 2048 1 3LW H. Sapiens mRNA for nitric 2048 1 3LW H. Sapiens mRNA for nitric 2048 1 X73029 163730 GEN- H. Sapiens mRNA for nitric 2399 2 X73029 163730 GEN- H. Sapiens mRNA for nitric 2383 2 X73029 163730 GEN- H. Sapiens mRNA for nitric 3022 2 X73029 163730 GEN- H. Sapiens mRNA for nitric 3051 2 X73029 163730 GEN- H. Sapiens mRNA for nitric 3051 2 X73029 163730 GEN- H. Sapiens mRNA for nitric 3051 2 X73029 163730 GEN- H. Sapiens mRNA for nitric 3051 3 X73029 163730
3KK X72012 131195 GEN-3L3 H.sapiens end mRNA for nitric always X73029 163730 GEN-3L3 H.sapiens mRNA for nitric always Arya029 163730 GEN-H.sapiens mRNA for nitric always Arya029 Arya029 163730 GEN-H.sapiens mRNA for nitric always Arya029 Arya029 H.sapiens mRNA for nitric always Arya029 Arya029 H.sapiens mRNA for nitric always Arya029 Arya029 H.sapiens mRNA for nitric always Arya029 H.sapiens mRNA for nitric always Arya029 H.sapiens mRNA for nitric always Arya029 GEN-H.sapiens mRNA for MHC Arya029 <td< td=""></td<>
3KK
X72011 109691 X72012 131195 GEI X73029 163730 X73029 163730 X74301 600005 X74301 600005 X75913 601269 X75913 601269 X75962 600315 Q
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H.sapiens Iysosomal H.sapiens Iysosomal H.sapiens Iysosomal H.sapiens Iysosomal H.sapiens Iysosomal H.sapiens mRN H.sapiens H.sapiens H.sapiens H.sapiens																																
MNA homologue X76488 278000 GEN- 1950somal acid lipase 191 X76488 278000 GEN- 1950somal acid lipase 212 X76488 278000 GEN- 1950somal acid lipase 1531 13 X76488 278000 GEN- 1950somal acid lipase 1531 13 X76488 278000 GEN- 1950somal acid lipase 2454 21 X77130 G02548 GEN- 4FN H.sapiens mRNA for ORL1 528 3 X77130 G02548 GEN- 4FN H.sapiens mRNA for ORL1 569 3 X77130 G02548 GEN- 4FN H.sapiens mRNA for ORL1 669 3 X77130 G02548 GEN- 4FN H.sapiens mRNA for ORL1 1601 14 X77130 G02548 GEN- 4FN H.sapiens mRNA for ORL1 1601 14 X77720 G02548 GEN- 4FN H.sapiens mRNA for ORL1 1601 14 X77722 G02548 GEN- 6EN- 74 H.sapiens mRNA for ORL1 1601 14 X77		T16P	2000	920	M2741	ო	•	က		က	U)	Y131C		တ	c [,]	•	ო		က		V10F		တ		တ		T116N	က	က	er.	,
X76488 278000 GEN- 3P2 H.sapiens mRNA for 1950somal acid lipase X77130 602548 GEN- 4FN H.sapiens mRNA for 1950somal acid lipase X77722 602548 GEN- 4FN H.sapiens mRNA for 1950somal acid lipase X77722 602548 GEN- 4PN H.sapiens mRNA for 1950somal acid lipase X77725 602376 GEN- 2PN <th></th> <td>46A>C</td> <td>67.5.4</td> <td></td> <td>822G>A</td> <td>1386C>T</td> <td></td> <td>2109A>T</td> <td></td> <td>2294C>T</td> <td>351€>4</td> <td></td> <td>392A>G</td> <td></td> <td>510C>T</td> <td>1126010</td> <td></td> <td>1424T>G</td> <td></td> <td>1639G>T</td> <td></td> <td>28G>T</td> <td></td> <td>903A>G</td> <td></td> <td>345G>A</td> <td></td> <td>347C>A</td> <td>807A>C</td> <td>816G>A</td> <td>753A>G</td> <td></td>		46A>C	67.5.4		822G>A	1386C>T		2109A>T		2294C>T	351€>4		392A>G		510C>T	1126010		1424T>G		1639G>T		28G>T		903A>G		345G>A		347C>A	807A>C	816G>A	753A>G	
MNA MNA X76488 278000 GEN-H.sapiens X77130 602548 GEN-H.sapiens X777130 602548 GEN-H.sapiens X77722 602548 GEN-P.Sapiens X77722 602376 GEN-29 Interferon X77956 600349 GEN-29 Interferon X77956 600349 GEN-P.Sap		191	212	717	296	1531		2254		2439	A28	3	269		687	4303	2	1601		1816		253		1128		380		382	842	851	953	}
X76488 278000 X76488 278000 X76488 278000 X76488 278000 X76488 278000 X77130 602548 X77130 602548 X77130 602548 X77130 602548 X777130 602548 X777122 602548 X77722 602376 GE X77722 602376 GE X777956 600349 CA777956 600349 X77956 600349 CA77956 600349 <th>engolomou</th> <td>H.sapiens mRNA for</td> <td>lysosomal acid lipase</td> <td>lysosomal acid lipase</td> <td>H.sapiens mRNA for</td> <td>lysosomal acid lipase H.sapiens mRNA for</td> <td>lysosomal acid lipase</td> <td>H.sapiens mRNA for</td> <td>lysosomal acid lipase</td> <td>H.sapiens mRNA for</td> <td>lysosomal acid lipase</td> <td>receptor</td> <td>H.sapiens mRNA for ORL1</td> <td>receptor</td> <td>H.sapiens mRNA for ORL1</td> <td>receptor</td> <td>receptor</td> <td>H.sapiens mRNA for ORL1</td> <td>receptor</td> <td>H.sapiens mRNA for ORL1</td> <td>receptor</td> <td>Interferon (alpha,beta,</td> <td>omega) receptor z (spiice</td> <td>Interferon (alpha,beta,</td> <td>omega) receptor 2 (splice variant)</td> <td>H.saplens Id1 mRNA</td> <td></td> <td>H.sapiens Id1 mRNA</td> <td>H.sapiens Id1 mRNA</td> <td>H.sapiens Id1 mRNA</td> <td>H saplens 14-3-3 eta</td> <td>subtype mRNA</td>	engolomou	H.sapiens mRNA for	lysosomal acid lipase	lysosomal acid lipase	H.sapiens mRNA for	lysosomal acid lipase H.sapiens mRNA for	lysosomal acid lipase	H.sapiens mRNA for	lysosomal acid lipase	H.sapiens mRNA for	lysosomal acid lipase	receptor	H.sapiens mRNA for ORL1	receptor	H.sapiens mRNA for ORL1	receptor	receptor	H.sapiens mRNA for ORL1	receptor	H.sapiens mRNA for ORL1	receptor	Interferon (alpha,beta,	omega) receptor z (spiice	Interferon (alpha,beta,	omega) receptor 2 (splice variant)	H.saplens Id1 mRNA		H.sapiens Id1 mRNA	H.sapiens Id1 mRNA	H.sapiens Id1 mRNA	H saplens 14-3-3 eta	subtype mRNA
X76488 X76488 X76488 X776488 X777130	ANS ANS	GEN-	3P2	3P2	GEN-	SEN-	3P2	GEN-	3P2	GEN	אל ה ה ה	4FN	GEN-	4FN	GEN-	7 T C) 1 1 1 1 1	GEN-	4FN	GEN-	4 7 7	GEN-29		GEN-29		GEN	30L	GEN-	GEN-	GEN-	אָל אָר אָל אָל	300
			00000	7,0000	278000	278000		278000								07300	0000			602548		602376		602376				600349	600349	600349		
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760G>A	1187C>T	895T>C	1922G>A	2378G>A	2382G>A	1254T>G	1496C>A	1599G>A	529C>T	535C>T	595T>C	602A>C	669A>T	727T>C	797G>A	805G>A	828A>T
096	1387	895	1922	2378	2382	1287	1581	1684	528	534	594	601	899	726	962	804	827
H.saplens 14-3-3 eta	H.sapiens 14-3-3 eta Subtyoe mRNA	H.sapiens mRNA for aryl sulfotransferase (ST1A2)	Carnitine Acetyltransferase	Carnitine Acetyltransferase	Carnitine Acetyltransferase	H.sapiens ERK6 mRNA for extracellular signal	regulated kinase H.sapiens MLN62 mRNA	H.sapiens MLN62 mRNA	H.saplens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.sapiens rearranged lgG VH-D-JH-Hinge-CH2-CH3	region H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.saplens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.sapiens rearranged IgG				
GEN-		GEN	GEN-2A	GEN-2A	GEN-2A	GEN- LPR	GEN-	GEN-	GEN- 3W4	GEN- 3W4	GEN- 3W4	GEN- 3W4	GEN- 3W4	GEN- 3W4	GEN- 3W4	GEN- 3W4	GEN-
113508	113508	601292	600184	600184	600184	602399	None	None	147120	147120	147120	147120	147120	147120	147120	147120	147120
X78138	X78138	X78282	X78706	X78706	X78706	X79483	X80200	X80200	X81695	X81695	X81695	X81695	X81695	X81695	X81695	X81695	X81695
YWHAH	YWHAH	X78282	X78706	X78706	X78706	X79483	X80200	X80200	1GHG3	ІСНСЗ	IGHG3	ІСНСЗ	ІСНСЗ	ІСНСЗ	ІСНСЗ	ІСНСЗ	IGHG3

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	829C>T	843C>T	850G>T	854A>C	901T>C	906G>A	917G>A	958G>C	964G>A	971G>A	974C>G	1000C>T	1003T>C
	828	842	849	853	006	905	916	957	963	970	973	666	1002
VH-D-JH-Hinge-CH2-CH3	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.saplens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.sapiens rearranged 1gG VH-D-JH-Hinge-CH2-CH3	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.saplens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.saplens rearranged 19G VH-D-JH-Hinge-CH2-CH3
3W4	GEN- 3W4												
	147120	147120	147120	147120	147120	147120	147120	147120	147120	147120	147120	147120	147120
	X81695												
	ІСНСЗ	ЮНСЗ	ІСНСЗ	ІСНСЗ	ІСНСЗ	ЮНСЗ	ІСНСЗ	ІСНСЗ	ІСНСЗ	ЮНСЗ	ІСНСЗ	ІСНСЗ	ІСНСЗ

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1013A>C	1046G>A	1051C>T	1074C>G	1076C>T	1089A>T	1093G>A	1114C>T	1131G>C	1138G>A	304G>A	422G>T	640C>G	655C>T	22G>A	28C>A
1012	1045	1050	1073	1075	1088	1092	1113	1130	1137	304	422	640	655	43	49
H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.saplens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.sapiens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.saplens rearranged IgG VH-D-JH-Hinge-CH2-CH3	H.saplens rearranged IgG VH-D-JH-Hinge-CH2-CH3 region	H.sapiens mRNA for thiol- specific antioxidant	H.sapiens mRNA for thiol- specific antioxidant	H.sapiens mRNA for thiol- specific antioxidant	H.saplens mRNA for thiol- specific antioxidant	H.sapiens mRNA for HLA-Cw*0704	H.saplens mRNA for HLA-				
GEN- 3W4	GEN- 3W4	GEN- 3W4	GEN-	GEN- 3W4	GEN- 3W4	GEN- 3W4	GEN- 3W4	GEN- 3W4	GEN- 3W4	GEN- 3WT	GEN- 3WT	GEN- 3WT	GEN- 3WT	GEN- 3XX	GEN-
147120	147120	147120	147120	147120	147120	147120	147120	147120	147120	None	None	None	None	142840	142840
X81695 147120	X81695	X81695	X81695	X81695	X81695	X81695 147120	X81695	X81695	X81695	X82321	X82321	X82321	X82321	X83394	X83394
юноз 1	ІСНСЗ	IGHG3	ІСНСЗ	IGHG3	IGHG3	ІСНСЗ	IGH G 3	ІСНG3	ІСНСЗ	X82321	X82321	X82321	X82321	HLA-C	HLA-C

	G16A	T201	C25G	D33Y	ဟ	R45H	S48A	ဟ	တ	A73E	W06X	A97T	S101N	N104K	D114A	T118	R121W	တ	Y137H	D138N
	47G>C	59C>T	73T>G	97G>T	105C>T	134G>A	142T>G	201G>A	213C>G	218C>A	270G>C	289G>A	302G>A	312C>A	341A>C	353C>T	361A>T	387C>G	409T>C	412G>A
	89	80	94	118	126	155	163	222	234	239	291	310	323	333	362	374	382	408	430	433
Cw*0704	H.sapiens mRNA for HLA-	Cw-0704 H.sapiens mRNA for HLA-	H.sapiens mRNA for HLA-Cw*0704	H.sapiens mRNA for HLA-Cw*0704	H.sapiens mRNA for HLA-	H.saplens mRNA for HLA-Cw*0704	H.saplens mRNA for HLA- Cw*0704													
××	GEN-	GEN-	GEN-	GEN-	GEN-	SEN-XX	GEN-	GEN	GEN-X	GEN-	GEN	GEN-	SES X	GEN	GEN-	GEN-XX	GEN-	GEN-	SEN-XX	GEN- 3XX
	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840
	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394
	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C

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F140L	တ	တ	တ	ဟ	T167S	L171W	A176E	K201E	T202K	တ	P208H	ဟ	L218V	A235T	R243W	တ	ഗ	ဟ	ω	V272M
420C>A	453C>T	459C>T	474C>T	486C>G	499A>T	512T>G	527C>A	601A>G	605C>A	618G>A	623C>A	648C>T	652C>G	703G>A	727C>T	735G>C	744G>A	747C>T	756C>T	814G>A
441	474	480	495	202	520	533	548	622	626	639	644	699	673	724	748	756	765	768	777	835
H.sapiens mRNA for HLA-Cw*0704	H.sapiens mRNA for HLA-Cw*0704	H.sapiens mRNA for HLA-Cw*0704	H.sapiens mRNA for HLA- Cw*0704	H.saplens mRNA for HLA-Cw*0704	H.sapiens mRNA for HLA-Cw*0704	H.sapiens mRNA for HLA-Cw*0704	H.sapiens mRNA for HLA-Cw*0704	H.sapiens mRNA for HLA- Cw*0704	H.sapiens mRNA for HLA-Cw*0704	H.sapiens mRNA for HLA- Cw*0704	H.sapiens mRNA for HLA-Cw*0704	H.sapiens mRNA for HLA- Cw*0704	H.sapiens mRNA for HLA-Cow*0704	H.sapiens mRNA for HLA-Cw*0704	H.sapiens mRNA for HLA-Cw*0704	H.sapiens mRNA for HLA-Cw*0704	H.sapiens mRNA for HLA-			
GEN-	SEN-XX	SEN XX XX	S XX	SEN SX SX SX SX SX SX SX SX SX SX SX SX SX	S S S S	GEN- 3XX	GEN- 3XX	3XX 3XX	3XXX	SEN XX XX	GEN-XX	GEN-	GEN-	GEN- 3XX	SEN-XX	SEN XX XX	GEN-	GEN-	GEN- 3XX	GEN-
142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840	142840
X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394	X83394
HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C	HLA-C

HLA-C X83394 142840 GEN H.sapiens mRNA for HLA-G Wor07d4 STA B53A-G M285V GEN HLA-C X83394 142840 GEN H.sapiens mRNA for HLA-G Wor07d4 STA STA STA-G GEN H.sapiens mRNA for HLA-G X83394 142840 GEN H.sapiens mRNA for BX X84213 600516 GEN H.sapiens BAK mRNA for SX84213 K84213 600516 GEN H.sapiens BAK mRNA for SX84213 X84213 X84213 600516 GEN H.sapiens BAK mRNA for SX84213 X84213 X84213 KRNA for S																																		
X83394 142840 GEN- H.saplens mRNA for HLA- 850 X83394 142840 GEN- H.saplens mRNA for HLA- 874 X83394 142840 GEN- H.saplens mRNA for HLA- 912 X83394 142840 GEN- H.saplens mRNA for HLA- 912 X83394 142840 GEN- H.saplens mRNA for HLA- 946 X83394 142840 GEN- H.saplens mRNA for HLA- 946 X83394 142840 GEN- H.saplens mRNA for HLA- 946 X83394 142840 GEN- H.saplens mRNA for HLA- 1012 X83394 142840 GEN- H.saplens mRNA for HLA- 1070 X834213 600516 GEN- H.saplens BAK mRNA for 32C X84213 600516 GEN- H.saplens BAK mRNA for 663 X84213 600516 GEN- H.saplens BAK mRNA for 663 X84213 600516 GEN- H.saplens BAK mRNA for 663 X84213 600516 GEN- H.saplens BAK mRNA for 974 X84210 600516 GEN- H.saplens BAK mRNA for 974 X84213 600516 GEN- H.saplens BAK mRNA for 974 X84213 600516 GEN- H.saplens BAK mRNA for 974 X84210 600516 GEN- H.saplens BAK mRNA for 974 X84700 601211 GEN- H.saplens BAK mRNA for 974 X84700 601211 GEN- H.saplens BAK mRNA for 974 X86770 600516 GEN- H.saplens BAK mRNA for 974		Q277E	M285V	Q291P	S297R	,	ဟ	M309V	V319A		M331V	23505		T363A		ဟ			Ŋ		R42H	('n	V142I		ഗ		ო		က	,	P253R	ć	o
X83394 142840 GEN- H.sapiens mRNA for HLA- X84213 600516 GEN- H.sapiens BAK mRNA for X84213 600516 GEN		829C>G	853A>G	872A>C	891C>A		912C>T	925A>G	956T>C		991A>G	1049.0		1087A>G		180C>G			(-161)C>T	(125G>A		243C>1	424G>A		471C>T		708T>C		782C>T	,	758C>G	0 1000	9,4677
3XX X83394 142840 GEN- H.sapiens mRNA 3XX X83394 142840 GEN- H.sapiens BAK r 32C X84213 600516 GEN- H.sapiens BAK r 32C X84213 G00516 GEN- H.sapiens BAK r 32C X84213 GON		820	874	893	912	,	933	946	977		1012	1070	2	1108		387			35	į	317	9	435	616		663		006		974		828	2	643
X83394 142840 X83394 162840	Cw*0704	H.sapiens mRNA for HLA- Cw*0704	H.sapiens mRNA for HLA-	H.sapiens mRNA for HLA-	Cw*0704 H.sapiens mRNA for HLA-	Cw*0704	H.sapiens mRNA for HLA- Cw*0704	H.sapiens mRNA for HLA-	H.sapiens mRNA for HCA-	Cw*0704	H.sapiens mRNA for HLA-	Cw*0704	Cw*0704	H.sapiens mRNA for HLA-	Cw*0704	Prostaglandin E receptor 3	(subtype EP3) (alternative	products)	H.sapiens BAK mRNA for	BCI-2 homologue	H.sapiens BAK mRNA for	BCI-2 homologue	H.sapiens BAK mKNA for BCI-2 homologie	H.sapiens BAK mRNA for	BCI-2 homologue	H.sapiens mRNA for	leucocyte antigen CD9/	שוא וסו אוואווון פוושולפינה						
X83394 X84213	3XX	GEN- 3XX	GEN-	GEN-	GEN-	XX	SEN-	GEN-	X H	3XX	GEN	XX L	XXX	GEN-	æ	GEN-5H			GEN-	3ZC	SEN-	3ZC	37.5 - 37.5	GEN-	3ZC	GEN	3ZC	GEN-	32C	GEN	3ZC	GEN-	מאל ל	- - - - - - - - - - - - - - - - - - -
		142840	142840	142840	142840		142840	142840	142840		142840	142840	24	142840		176806			600516		600516		600516	600516		600516		600516		600516	:	601211		
HLA-C C HLA-C HLA-C HLA-C HLA-C HLA-C HLA-C HLA-C HLA-C HLA-C C HLA-C C HLA-C		X83394	X83394	X83394	X83394		X83394	X83394	X83394		X83394	XR3304	10000	X83394		X83861			X84213		X84213		X84213	X84213		X84213		X84213		X84213		X84700	727307	7004/4
		HLA-C	HLA-C	HLA-C	HLA-C		HLA-C	HLA-C	HLA-C		HLA-C	H	2	HLA-C		X83861			X84213		X84213		X84213	X84213		X84213		X84213		X84213		CD97	7000	7004/4

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333T>C	399G>C	422G>A	1340G>A	(4E6/T/C	5 × 1 (ac) •)	144T>C	•	614C>A	07000	5)))))	207C>G	254A>G	318C>T	613C>A	3291T>C		A - CHOCC	7790676		432C>A		434G>C)		721A>G			594G>T	456G>A	0.444	5	
357	423	446	1725	ç	7	167		637	690	700	221	268	332	627	3437		2444	1		503		505			792			846	492	703	200	
protein H.sapiens mRNA for ATAC	protein H.sapiens mRNA for ATAC	protein H.sapiens mRNA for ATAC	protein H.sapiens mRNA for	nucleolar protein, HNP36	. rz purinocepior (rz 10)	H.sapiens mRNA for	prepronociceptin	H.sapiens mRNA for	prepronociceptin	orthographic in the control of the c	Cyclophilin A	Cyclophilin A	Cyclophilin A	Cyclophilin A	Human mRNA for T200	leukocyte common antigen	(CD45, LC-A)	leukocyte common antioen	(CD45, LC-A)	Human APRT gene for	adenine	pnospnonbosyltransferase Human APRT nene for	adenine	phosphoribosyltransferase	Human APRT gene for	adenine	phosphoribosyltransferase	Endothelin: 1	Human mRNA for T-cell	receptor gamma-chain	יים ווארן אין אין אין אין אין אין אין אין אין אי	N
40W GEN-	GEN-	GEN-	GEN-	41E	4BB	GEN-	4BM	GEN	4BM		GEN-SX	GEN-SX	GEN-SX	GEN-SX	GEN-SY		20	ביים פונים פונים	٠	GEN	MGW	A N N	MGW		GEN-	MGW		GEN-P7	GEN-UC	. C.1) 	
600250	600250	600250	602110	19700	002431	601459		601459	01450	00	123840	123840	123840	123840	151460		164460	20400		102600		102600			102600			131240	186970	100070		
X86474	X86474	X86474	X86681	04000	960/64	X97370		X97370	076707	010160	Y00052	Y00052	Y00052	Y00052	Y00062		20002	10000		Y00486		Y00486			Y00486			Y00749	Y00790	002007	06/001	
X86474	X86474	X86474	X86681	, , , , , , , , , , , , , , , , , , ,	960767	X97370		X97370	07070	016160	Y00052	Y00052	Y00052	Y00052	PTPRC		Caara	אַנ		Y00486		Y00486			Y00486			Y00749	TCRG	COCE) -	

v	•	1175V	တ	E214K	1233V	W271C	T291M	R312G	ဟ	3	E60D		တ	C	'n	H270R	R307Q	A348T		T357S	Q460R	H521Q	
1	519A>T	523A>G	600C>T	640G>A	697A>G	813G>T	872C>T	934A>G	918C>T	4431A>G	180G>C		552C>T	0	588A>G	809A>G	920G>A	1042634		1070C>G	1379A>G	1563C>G	
	522	559	636	929	733	849	806	970	1006	4519	207		717	t	۲ ۵	835	946	1068	2	1096	1405	1589	
receptor gamma-chain	Human mRNA for T-cell	receptor gamma-chain Human mRNA for T-cell	receptor gamma-chain Leukocyte integrin alpha-l	Leukocyte integrin alpha-l	Human mRNA for	complement receptor type 1 (CR1, C3b/C4b receptor,	H.sapiens mRNA for P2X3	purinoceptor	H.saplens mKNA for P2X3	H.sapiens mRNA for P2X7	receptor H.sapiens mRNA for P2X7	receptor	receptor	H.saplens mRNA for P2X7	H.sapiens mRNA for P2X7	receptor H.sapiens mRNA for P2X7	i receptor						
	GEN-UC	GEN-UC	GEN-UC	GEN-UC	GEN-UC	GEN-UC	GEN-UC	GEN-UC	GEN-2B	GEN-2B	GEN-UG		GEN-	4F1	6.E.A.	GEN-	GEN-	4F4	4F4	GEN-	GEN-	GEN-	4F4
	186970	186970	186970	186970	186970	186970	186970	186970	153370	153370	120620		600843		600843	None	None	No.	2	None	None	None	
	Y00790	Y00790	Y00790	Y00790	Y00790	Y00790	Y00790	Y00790	Y00796	Y00796	Y00816		Y07683	0	Y07683	Y09561	Y09561	VOSER1		Y09561	Y09561	Y09561	
	TCRG	TCRG	TCRG	TCRG	TCRG	TCRG	TCRG	TCRG	Y00796	Y00796	CR1		Y07683		Y07683	Y09561	Y09561	V00561		Y09561	Y09561	Y09561	

V522I	ဟ	R578Q	ဟ	G358D	G86D	Ø	ო	1150S	တ	D563A	ო	က	76/	A35S	M36V	တ	E70A	တ	တ	N87D	N87K	1118T	1119L	R121T
1564G>A	1602G>T	1733G>A	1746G>A	1073G>A	257G>A	909C>T	1153G>A	449T>G	240T>C	1688A>C	2027G>A	2080T>G	25G>C	103G>T	106A>G	165C>G	209A>C	213C>G	222A>G	259A>G	261C>G	353T>C	355A>C	362G>C
1590	1628	1759	1772	1116	257	606	1287	449	246	1694	2033	2086	25	103	106	165	209	213	222	259	261	353	355	362
H.sapiens mRNA for P2X7	receptor H.sapiens IL-13Ra mRNA	Homo sapiens mRNA for UDP-Gal:GICNAC	galactosyltransferase Homo sapiens mRNA for UDPGal:GicNAc b1,4	galactosyltransferase H.sapiens 40 kDa protein	kinase related to rat ERK2 H.sapiens 44kDa protein	kinase related to rat ERK1 H.saplens mRNA for	protein kinase C zeta H.sapiens mRNA for	protein kinase Czeta H.sapiens mRNA for	protein kinase C zeta H.sapiens mRNA for	protein kinase C zeta H.sapiens HLA-835 mRNA	H.sapiens HLA-B35 mRNA	H.saplens HLA-B35 mRNA	H.sapiens HLA-B35 mRNA	H.sapiens HLA-B35 mRNA	H.sapiens HLA-B35 mRNA	H.saplens HLA-B35 mRNA	H.sapiens HLA-B35 mRNA							
GEN-	GEN-	GEN-	GEN-	4F4 GEN-1J6	GEN-	GEN-	GEN-1L1	GEN-1L0	GEN	GEN-	1TE GEN-	GEN-	1TE GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268
None	None	None	None	300119	None	None	176948	601795	176982	176982	176982	176982	None	None	None	None	None	None	None	None	None	None	None	None
Y09561	Y09561	Y09561	Y09561	Y10659	Y12509	Y12510	Z11695	211696	Z15108	Z15108	215108	215108	722651	222651	Z22651	Z22651	Z22651	Z22651	222651	222651	222651	222651	Z22651	Z22651
Y09561	Y09561	Y09561	Y09561	Y10659	Y12509	Y12510	Z11695	Z11696	Z15108	Z15108	Z15108	Z15108	722651	Z22651										

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L127V S	H137Y	D138N	တ	S155R	ഗ	ഗ	V176E	R180W	R180L	A182T	W191S	Y195H	E201D	Q204E	D207E	P208H	တ	S	V218I	A223V	S	တ	တ	ഗ	ഗ	တ	S	1306V	T329A	ဟ	S349C	က	က	က	
379C>G 387C>G	409C>T	412G>A	435G>A	463A>C	477G>C	486C>G	527T>A	538C>T	539G>T	544G>A	572G>C	583T>C	603G>C	610C>G	621C>A	623C>A	636C>T	648C>T	652G>A	668C>T	693C>T	756T>C	774A>G	786T>C	846A>G	900A>G	809G>A	916A>G	985A>G	1008C>T	1046C>G	1120T>C	1164G>A	· 1192C>T	
379 387	409	412	435	463	477	486	527	538	539	544	572	583	603	610	621	623	636	648	652	899	693	756	774	786	846	006	606	916	985	1008	1046	1120	1164	1192	
H.sapiens HLA-B35 mRNA H.sapiens HLA-B35 mRNA		H.sapiens HLA-B35 mRNA	H.saplens HLA-B35 mRNA	H.sapiens HLA-B35 mRNA	H.sapiens HLA-B35 mRNA	H.saplens HLA-B35 mRNA	H.sapiens HLA-B35 mRNA	H.sapiens HLA-B35 mRNA	H.sapiens HLA-B35 mRNA	H.sapiens HLA-B35 mRNA	H.saplens HLA-B35 mRNA	H.saplens HLA-B35 mRNA	H.saplens HLA-B35 mRNA	H.sapiens HLA-B35 mRNA	H.saplens HLA-B35 mRNA	H.sapiens HLA-B35 mRNA	H.sapiens HLA-B35 mRNA																		
GEN-268 GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268	GEN-268									
None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	
Z22651 Z22651	Z22651	Z22651	222651	Z22651	Z22651	Z22651	Z22651	Z22651	Z22651	Z22651	Z22651	Z22651	Z22651	Z22651	222651	222651	222651	Z22651	222651	Z22651	Z22651	Z22651	Z22651	Z22651	Z22651	Z22651									
Z22651 Z22651	Z22651	Z22651	Z22651	Z22651	222651	Z22651	Z22651	Z22651	Z22651	Z22651	222651	Z22651	222651	Z22651	Z22651	Z22651																			

ო	က		V379I	Ø		ဟ		A6651	u.		တ		NI N		က			ო	က		က	cr.	•	ဟ		တ	•	တ		V637M	•	m	1	E13K	
1209C>T	1219C>A		1135G>A	1158G>T		1812G>A		1993G>A	2059C>T		2091T>G		Z1262A		957C>T			438C>T	467G>A		2665C>T	3169G>T		1104C>T		1590T>C		1659G>A		1909G>A		2396G>A	6	37G>A	
1209	1219		1163	1186		1840	, 000	2021	2087		2119	6	380		1125			437	466		2664	3168		1141		1627		1696	•	1946		2433	,	315	
H.saplens HLA-B35 mRNA	H.sapiens HLA-B35 mRNA	H.sapiens HLA-B35 mRNA	H.sapiens TAP2B mRNA,	Complete CDS H.sapiens TAP28 mRNA.	complete CDS	H.sapiens TAP2B mRNA,	complete complete	H.sapiens IAP2B mKNA, complete CDS	H.sapiens TAP2B mRNA,	complete CDS	H.sapiens TAP2B mRNA,	complete CDS	H.Sapiens Kilvo/ mKNA for HLA class II alpha	chain-like product	H.sapiens RING7 mRNA	for HLA class II alpha	chain-like product	Phospholipase C beta-3	Phospholipase C beta-3		Phospholipase C beta-3	Phospholipase C heta-3		Endothelin Converting	Enzyme 1	Endothelin Converting		Endothelin Converting	Enzyme 1	Endothelin Converting	1 9117,31119	Endothelin Converting	l enzyme	H.sapiens mKNA for novel	- ເດາຕ່ອງອາ ກາດວາກເດວດກາດ
GEN-268	GEN-268	GEN-268	GEN-	GEN	26P	GEN-	707	GEN- 26P	GEN-	26P	GEN	26P	GEN-211		GEN-277			GEN- 2B5	GEN-	285	GEN- 2B5	SEN-	2B5	GEN	SMA	GEN	2MA	SER.	SMA	GEN-	אוא ל	SEN-	YMY O	בי הקיק	
None	None	None	170261	170261		170261		170261	170261		170261	0	142830		142856			600230	600230		600230	600230		600423		600423		600423		600423		600423	107,700	601497	
Z22651	Z22651	Z22651	Z22935	Z22935		Z22935	0	222935	Z22935		Z22935	6	223139		Z23139			Z26649	Z26649		Z26649	726649		Z35307		Z35307		732307		Z35307	1000	Z35307	1	235491	
Z22651	Z22651	Z22651	TAP2	TAP2	1	TAP2	1	TAP2	TAP2		TAP2		HLA-UMB		HLA-DMB			Z26649	Z26649		Z26649	726649		ECE1		ECE1	į	ECE1		ECE1		ECE1		235491	·

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E19K	R57C	R344Q	တ	Ø	E377K	S427T	ო				
55G>A 1019A>C	169C>T	1031G>A 1239A>C	837G>A	1068G>A	1129G>A	1280G>C	1327A>C				
333	280	1142	883	1114	1175	1326	1373				
H.sapiens mRNA for novel glucocorticoid receptorassociated protein H.sapiens mRNA for novel	glucocorticoid receptor- associated protein H.sapiens HSPDE4C1 gene for 3,5-cyclic AMP phosphodiesterase	H.sapiens HSPDE4C1 gene for 3,5-cyclic AMP phosphodiesterase H.sapiens mRNA for TX	H.saplens mRNA for interferon regulatory factor	H.sapiens mRNA for interferon regulatory factor	H.sapiens mRNA for interferon regulatory factor	H.saplens mRNA for interferon regulatory factor 3	H.saplens mRNA for interferon regulatory factor 3	r settina mini seneggi mini sen	ine Service		
GEN- 2ME GEN-	SME GEN- 2X2	GEN-	GEN- 36V	GEN- 36V	GEN- 36V	GEN- 36V	GEN- 36V				
601497	600128	600128	603734	603734	603734	603734	603734				
Z35491 Z35491	246632 600128	Z46632 600128 Z48810 602664	Z56281	Z56281	Z56281	Z56281	Z 56281				
Z35491 Z35491	PDE4C	PDE4C Z48810	256281	256281	256281	Z56281	256281	Table 16. Identified	variances In Genes for	Pathways Identified in	Endocrine and

SD-144146.1

Metabolic Disease

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တ	· w	T210A	+2910	ď)	+325R	R534C		C770R		V924M	c	ာ	ĸ		က		က		H690L		c	•	v)	ı	က			က
210T>C	612A>G	628A>G	871T>C	948G>A		973T>C	1600C>T		2308T>C		2770G>A	4.07070	3/2/G>A	4036G>A		4602C>A		4621C>A		2069A>T		T-46700	140.107	534C>T		1010T>A			1012T>C
215	612	628	871	948	5	973	1600		2308	1	2770	7070	3121	4036		4602		4621		2137		7,040	617	1016		1071		ļ	1073
Human mRNA for prepro cortistatin like peptide,	complete cds Human mRNA for		KIAA0387 gene, partial cds Human mRNA for	KIAA0387 gene, partial cds	KIAA0387		KIAAU387 gene, partial cds Human mRNA for	KIAA0387		KIAA0387		KIAA0387 gene, partial cds	KIAAO387		KIAA0387		KIAA0387 gene, partial cds	Human mRNA for	KIAA0387 gene, partial cds	Homo saplens mRNA for	ABC transporter 7 protein,	complete cds	Dentilion complete cds	Homo sapiens gene for	apobec-1	Homo sapiens mRNA for	lectin-like oxidized LDL	receptor, complete cds	Homo sapiens mRNA for
GEN- 16N	GEN-	GEN	GEN-	1D6	106	GEN-	ה ה ה	106	GEN-	106	GEN-	1D6	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GEN-	106	GEN-	106	GEN-	1D6	GER	Ş	7,01,71		GEN.	MOM	GEN-	180	į	GEN
602784	601698	601698	601698	A01698		601698	601698		601698		601698	000	9601.00	601698		601698		601698		300135		47000	067071	600130		602601			602601
AB00026 AB00026 3 3	AB00238	AB00238	5 AB00238	5 AB00238	5	AB00238	5 AB00238	2	AB00238	S	AB00238	5	AB00238	AB00238	5	AB00238	5	AB00238	S	AB00528	O	מממממ	AB00328	AB00942	9	AB01071	0		AB01071
AB00026 3	AB00238	AB00238	5 AB00238	5 AR0023R	5	AB00238	5 AB00238	5	AB00238	S	AB00238		ABUUZ38	AB00238		AB00238		AB00238	5	AB00528	0		AD00328	AB00942	<u>د</u>	AB01071	0		AB01071

AB01071 AB01071 602601 GEN- Homo saplens mRNA for 10127>C 3 etchn-like oxidized LDL receptor, complete cds AB01071 AB01071 602601 GEN- Homo saplens mRNA for 1801 1740A>C 3 etchn-like oxidized LDL receptor, complete cds AB01071 AB01071 602601 GEN- Homo saplens mRNA for 1801 1740A>C 3 Etchn-like oxidized LDL receptor, complete cds AB01071 AB01071 602601 GEN- Homo saplens mRNA for 1801 1740A>C 3 Etchn-like oxidized LDL receptor, complete cds AB010736 None GEN- Homo saplens mRNA for 249 2131A>C S AB010736 None GEN- Homo saplens mRNA for 249 2131A>C S AB010736 None GEN- Homo saplens mRNA for 263 2369G>A 3 Glutaminer/fuctose- phosphate complete cds Comp								•					
receptor, complete cds 602601 GEN-Homo saplens mRNA for 1SQ lectin-like oxidized LDL receptor, complete cds 602601 GEN-Homo saplens mRNA for 1SQ lectin-like oxidized LDL receptor, complete cds 602601 GEN-Homo saplens mRNA for 1SQ lectin-like oxidized LDL receptor, complete cds 602601 GEN-Homo saplens mRNA for LGC DPMZ, complete cds None GEN-L39 Homo saplens mRNA for CEN-L39 Homo saplens mRNA for GILLamine:fructose-6-homo saplens mRNA for GILLamine:fructose-6-homo saplens mRNA for GILLamine:fructose-6-homo saplens mRNA for GILLamine:fructose-6-homo saplens mRNA for GILL39 Homo saplens mRNA for ATP- 3F0 108728 GEN-H.39 Homo saplens mRNA for ATP- 3F0 Homo sapl		က	က	က	Ø	T76S	ო	က	ო	ო	က	ω	C23R
1SQ lectin-like oxidized LDL receptor, complete cds 602601 GEN- Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds 602601 GEN- Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds Homo sapiens mRNA for lectin-like oxidized LDL receptor, complete cds Homo sapiens mRNA for GEN-L39 Homo sapiens mRNA for GIUtamine:fructose-6-phosphate amidotransferase, complete cds Mone GEN-L39 Homo sapiens mRNA for GIUtamine:fructose-6-phosphate amidotransferase, complete cds GEN-L39 Homo sapiens mRNA for GIUtamine:fructose-6-phosphate amidotransferase, complete cds GEN-L39 Homo sapiens mRNA for GIUtamine:fructose-6-phosphate amidotransferase, complete cds GEN-L39 Homo sapiens mRNA for ATP-370 GEN-L39 GEN-H.sapiens mRNA for ATP-370 GEN-Bapiens mRNA for ATP-370 GE		1012T>C	1740A>G	2138G>A	213T>C	227C>G	2369G>A	2450G>A	2656G>A	3914G>T	4145A>C	1038T>C	67T>C
15Q		1073	1801	2199	249	263	2468	2549	2755	3998	4229	1044	75
602601 G 602601 G 602601 G None GEN None GEN 108728 G 108728 G 108728 G 1245349 GEI	lectin-like oxidized LDL	receptor, complete cds Homo sapiens mRNA for lectin-like oxidized LDL	receptor, complete cds Homo sapiens mRNA for lectin-like oxidized LDL	receptor, complete cds Homo sapiens mRNA for lectin-like oxidized LDL	receptor, complete cas Homo sapiens mRNA for DPM2, complete cds	Homo sapiens mRNA for	DPMZ, complete cds Homo sapiens mRNA for Glutamine:fructose-6-	phosphate amidotransferase, complete cds Homo sapiens mRNA for Glutamine:fructose-6-	phosphate amidotransferase, complete cds Homo sapiens mRNA for Glutamine:fructose-6-	amidotransrerase, complete cds H.saplens mRNA for ATP-	H.sapiens mRNA for ATP-	Homo sapiens p38beta2 MAP kinase mRNA,	Dihydrolipoamide S- acetyltransferase (E2 component of pyruvate dehydrogenase complex)
	180	GEN- 1SQ	GEN- 1SQ	GEN- 1SQ	GEN-	GEN-	CEN-L39	GEN-L39	GEN-L39	GEN-	GEN	GEN- 18T	GEN-91
		602601	602601	602601	None	None	None	None	None		108728	602898	245349
AB01071 AB01336 AB01336 AB01678 AB01678 AB01678 ACLY ACLY AF001174	0	_	AB01071 0	AB01071 0	AB01336	AB01336	1 AB01678 9	AB01678 9	AB01678	X64330	X64330	AF001174	AF001437
	0	AB01071 0	0	_	_	. ,	1 AB01678 9	0	c c	ACLY	ACLY		AF001437

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108C>T	751T>G	798C>T	858T>C	1992G>T	2150C>A	384G>A	702C>T	1018T>C	1129G>A	537T>G	291C>T	408T>C	483A>G
116	759	806	866	2000	2158	432	702	1018	1129	537	314	431	206
Dihydrolipoamide Sacetyltransferase (E2 component of pyruvate	Dinydralpoamide Sacetyltransferase (EZ component of pyruvate	Dinydralipoamide Sacetyltransferase (E2 component of pyruvate	Dibydrollpoamide Sacetyltransferase (E2 component of pyruvate	Dihydrolipoamide S- acetyltransferase (E2 component of pyruvate	Dihydrollpoamide Sacetyltransferase (E2 component of pyruvate	Homo sapiens stress- activated protein kinase 4	Homo sapiens Preprocathepsin P mRNA,	Homo saplens preprocathepsin P mRNA,	Homo sapiens Homo sapiens preprocathepsin P mRNA,	Homo sapiens lymphopain mRNA, complete cds	Vasopressin V1A receptor	Vasopressin V1A receptor	Vasopressin V1A receptor
GEN-9T	GEN-9T	GEN-9T	GEN-9T	GEN-9T	GEN-9T	GEN-UX	GEN- KZM	GEN- KZM	GEN- KZM	GEN- 20Z	GEN-2	GEN-2	GEN-2
245349	245349	245349	245349	245349	245349	602899	603169	603169	603169	602364	600821	600821	600821
AF001437 AF001437	AF001437 AF001437	AF001437	AF001437 AF001437	AF001437	AF001437 AF001437 245349	AF004709	AF009923 AF009923	AF009923	AF009923	AF013611 AF013611	AF030625	AF030625	AF030625
AF001437	AF001437	AF001437	AF001437	AF001437	AF001437	AF004709	AF009923	AF009923	AF009923	AF013611	AF030625	AF030625	AF030625

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	1902T>G	1647C>T	3989C>T	4635C>A	4754C>T	53G>A	856T>C	1716C>T	963C>T	1252G>A	1421T>C	1482C>A	
	2086	1695	4037	4683	4802	53	856	1716	1055	1344	1513	1574	
	Homo saplens osteoprotegerin ligand	Homo sapiens low-post 200 lipoprotein receptor-related protein 5 (LRP5) mRNA,	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA,	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds	Homo sapiens auscle glycogen phosphorylase (PYGM) mRNA, complete	Homo sapiens muscle glycogen phosphorylase (PYGM) mRNA, complete	Homo sapiens muscle glycogen phosphorylase (PYGM) mRNA, complete	Homo sapiens cathepsin F (CATSF) mRNA, complete	Homo sapiens cathepsin F (CATSF) mRNA, complete	Homo sapiens cathepsin F (CATSF) mRNA, complete	Homo sapiens cathepsin F	•
·	GEN- MM2	GEN- KV4	GEN- KV4	GEN- KV4	GEN- KV4	GEN- LKT	GEN- LKT	GEN- LKT	GEN- LOZ	GEN- LOZ	GEN- LOZ	GEN-	
	None	603506	603506	603506	603506	232600	232600	232600	None	None	None	None	
,	AF053712	AF064548	AF064548	AF064548	AF064548	AF066859	AF066859	AF066859	AF071748	AF071748	AF071748	AF071748	
·	AF053712	AF064548	AF064548	AF064548	AF064548	AF066859	AF066859	AF066859	AF071748	AF071748	AF071748	AF071748	

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	က	ო	T207M	M268T	တ	ဟ	ო	က	ო	R154H		V266L	က	ဟ	Ø	ო	V152A
	1484G>A	6909A>G	620C>T	803T>C	1116G>A	1437C>A	1782G>A	2014A>C	1882A>C	461G>A		796G>T	1059T>C	744C>T	150G>A	2195G>A	455T>C
	1576	7309	629	842	1155	1476	1821	2053	1915	200	8	835	1098	800	273	2224	846
(CATSF) mRNA, complete	Homo sapiens cathepsin F (CATSF) mRNA, complete	Human glycogen debranching enzyme isoform 1 (AGL) mRNA, alternatively spliced	Human angiotensinogen	Human angiotensinogen	Human angiotensinogen	Human anglotensinogen mRNA, complete CDS	Human angiotensinogen mRNA, complete CDS	Human angiotensinogen	Homo sapiens mRNA for UDP-	glucuronosyltransferase	mRNA, complete cds	Human apolipoprotein H mRNA, complete cds	Human apolipoprotein H	Human liver arginase	Homo sapiens small cell vasopressin subtype 1b receptor mRNA, complete	Human bone Human bone morphogenetic protein 1	Human bone
roz	GEN- LOZ	GEN- 3Z7	GEN-WK	GEN-WK	GEN-WK	GEN-WK	GEN-WK	GEN-WK	GEN- KYT	N U	305	GEN-	GEN-	GEN- F	GEN- 4FF	GEN- 25X	GEN-
	None	232400	106150	106150	106150	106150	. 106150	106150	600067	138700	0000	138700	138700	207800	600264	112264	112262
	AF071748	U84007	K02215	K02215	K02215	K02215	K02215	K02215	AJ005162	0.82879	607000	M62839	M62839	M14502	AF030512	M22488	M22490 112262
	AF071748 AF071748	AGL	AGT	AGT	AGT	AGT	AGT	AGT	AJ005162	700	5	APOH	APOH	ARG1	AVPR18	BMP1	BMP4

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	1630T>C	1667G>A	(-20)T>C	148C>T	1167T>C	1255C>T	2061A>C	71A>T	936T>C	1194G>A	456G>A	1153G>C	1168G>C	1264A>G	1264A>G	1376A>G
	1752	1789	21	218	1237	1325	2131	106	971	1229	456	1283	1298	1394	1394	1506
morphogenetic protein-28	Human OP-1 mRNA for	Human OP-1 mRNA for	osteogenic protein Human kidney mRNA for	catalase Human kidney mRNA for	catalase Human corticosteroid binding globulin mRNA	complete cds Human corticosteroid binding globulin mRNA,	complete cds Human corticosteroid binding globulin mRNA,	complete cds Cholecystokinin (CCKb)	Human cholesteryl ester transfer protein mRNA,	Human cholesteryl ester transfer protein mRNA,	complete cas Human cholesteryl ester transfer protein mRNA,	complete cas Human cholesteryl ester transfer protein mRNA,	complete cds Human cholesteryl ester transfer protein mRNA,			
25Y	GEN-	GEN-	GEN-	GEN- SEN-	13P GEN-	13P GEN-	GEN-	13P GEN-Y2	GEN-Y2	GEN-Y2	GEN	GEN- 2FK	GEN- 2FK	GEN- 2FK	GEN- 2FK	GEN- 2FK
	112267	112267	115500	115500	115500	115500	115500	122500	122500	122500	118445	118470	118470	118470	118470	118470
	X51801	X51801	X04076	X04076	X04076	X04076	X04076	J02943	J02943	J02943	L08112	M30185	M30185	M30185	M30185	M30185
	BMP7	BMP7	CAT	CAT	CAT	CAT	CAT	CBG	CBG	CBG	CCKBR	CETP	CETP	CETP	CETP	CETP

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	1566G>A	84C>T	382G>T	789C>T	1187C>T	1325A>T	1435C>T	1501C>T	1598A>T	22A>G	2071A>G
	1696	131	429	836	1234	1372	1482	1548	1645	22	2071
spo ejeldinoo	Human cholesteryl ester transfer protein mRNA, complete cds	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	Human collagen type XVIII alpha 1 (COL18A1) mRNA, partial cds	Human collagen type XVIII alpha 1 (COL18A1) mRNA,
	GEN- 2FK	GEN- 1SB	GEN- 1SB	GEN-	GEN- 1SB	GEN- 1SB	GEN- 1SB	GEN- 15B	GEN- 1SB	GEN-262	GEN-262
	118470	185430	185430	185430	185430	185430	185430	185430	185430	120328	120328
	M30185 118470	X14723	X14723	X14723	X14723	X14723 185430	X14723	X14723	X14723	L22548	L22548
	CETP	CLU	CLU	CLU	CLU	OLU	CLU	CLU	CLU	COL18A1	COL18A1

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2126A>G	2395A>G	3372A>T	3374A>C	941T>G	1878A>C	374A>G	1012C>T	1593G>A	224G>A	330C>T	745T>C	148G>T	944G>A	954G>A	1644C>T
2126	2395	3372	3374	987	1878	382	1300	1600	224	330	745	277	1073	1083	1773
Human collagen type XVIII alpha 1 (COL18A1) mRNA, partial cds	Human collagen type XVIII alpha 1 (COL18A1) mRNA, partial cds	Human collagen type XVIII alpha 1 (COL18A1) mRNA, partial cds	Human collagen type XVIII alpha 1 (COL18A1) mRNA, partial cds	Human mRNA for corticotropin-releasing factor binding protein (CRF-BP)	Human connective tissue growth factor mRNA,	Human cathepsin G mRNA, complete cds	Human mrRNA for pro- cathepsin L (major excreted protein MEP)	Human CYP11B2 gene for steroid 18-hydroxylase, complete cds	Human cytochrome P450c21 mRNA. 3 end	Human cytochrome P450c21 mRNA 3 end	Human cytochrome P450c21 mRNA, 3 end	Glycine cleavage system: Protein T	Glycine cleavage system: Protein T	Glycine cleavage system: Protein T	Glycine cleavage system:
L22548 120328 GEN-262	GEN-262	GEN-262	GEN-262	GEN- 38K	GEN- 1S3	GEN-1XI	GEN- 1M1	GEN- CCD	GEN-201	GEN-201	GEN-201	GEN-AA	GEN-AA	GEN-AA	GEN-AA
120328	L22548 120328	120328	120328	122559	121009	116830	116880	124080	201910	201910	201910	238310	238310	238310	238310
L22548	L22548	L22548	L22548	X58022	U14750 121009	M16117	X12451	D13752	M17252	M17252	M17252	D13811	D13811	D13811	D13811
COL18A1	COL18A1	COL18A1	COL18A1	CRHBP	CTGF	CTSG	CTSL	CYP11B2	CYP21	CYP21	CYP21	D13811	D13811	D13811	D13811

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	1908C>T	3276G>A	3653G>A	3847G>C	4266T>A	4353G>A	1728G>A	695G>A	2021C>G	102C>T	2344T>C	471C>A	1409A>G	1453C>T
	2037	3378	3755	3949	4368	4455	1728	804	2156	150	2363	547	1490	1534
Protein T	Glycine cleavage system: Protein T	Human mRNA for apolipoprotein E receptor 2. complete cds	Human mRNA for apolipoprotein E receptor 2, complete cds	Human mRNA for apolipoprotein E receptor 2, complete cds	Human mRNA for apolipoprotein E receptor 2, complete cds	Human mRNA for apolipoprotein E receptor 2, complete cds	Human mRNA for KIAA0146 gene, partial cds	Neurogenic differentiation	Homo saplens HSPA1L mRNA for Heat shock protein 70 testis variant, complete cds	Homo saplens mRNA for serin protease with IGF-binding motif, complete cds	Carnitine Palmitoyltransferase I	ACATI	Human chondroitin/dermatan sulfate proteoglycan (PG40) core protein mRNA complete cds	Chondroitin/dermatan
	GEN-AA	GEN- 30Y	GEN- 30Y	GEN- 30Y	GEN- 30Y	GEN- 30Y	GEN- 3DN	GEN-	GEN- LR0	GEN- 42R	GEN-6	GEN- 46A	GEN-	GEN- 10X
	238310	602600	602600	602600	602600	602600	116898	601724	140559	602194	600528	203750	125255	125255
	D13811	D50678	D50678	D50678	D50678	D50678	D63480	D82347	D85730	D87258	D87812	D90228	M14219	M14219
	D13811	D50678	D50678	D50678	D50678	· D50678	D63480	D82347	D85730	D87258	D87812	D90228	N D D	DCN

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	(-48)A>G	90G>A	198G>A	1263G>A	1764A>C	1769C>A	1104C>T	1590T>C	1659G>A	1909G>A	2396G>A	314C>T	927A>G	927A>G	1152G>A	1539C>G	1590C>T	1632C>T	1687C>T
	229	366	474	1539	2040	2045	1141	1627	1696	1946	2433	384	266	266	1262	1649	1700	1742	1797
sulfate proteoglycan (PG40) core protein mRNA complete cds	D1 dopaminergic receptor	Endothelin Converting Enzyme 1	Endothelin Converting Enzyme 1	Endothelin Converting Enzyme 1	Endothelin Converting	Endothelin Converting Enzyme 1	Endothelin 2	Endothelin 2	Endothelin 2	Endothelin 3									
	GEN- 4EH	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-	GEN- CBS	GEN- CBS	GEN- CBS	GEN- 33E	GEN-	GEN-	GEN- 33E	GEN- 33E
	126449	126449	126449	126449	126449	126449	600423	600423	600423	600423	600423	131241	131241	131241	131242	131242	131242	131242	131242
	X58987	X58987	X58987	X58987	X58987	X58987	Z35307	Z35307	Z35307	235307	Z35307	M65199	M65199	M65199	X52001	X52001	X52001	X52001	X52001
	DRD1	DRD1	DR01	DRD1	DRD1	DRD1	ECE1	ECE1	ECE1	ECE1	ECE1	EDN2	EDN2	EDN2	EDN3	EDN3	EDN3	EDN3	EDN3

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1804G>C	1930C>T	969C>T	969C>T	1005A>G	1005A>G	1354C>G	1354C>G	1748G>A	1896G>A	2284G>A	2284G>A	2360G>C	2455G>A	2814A>G	(-146)A>G	99C>T	831G>A	831G>A	1218G>A
1914	2040	1449	1449	1485	1485	1834	1834	2228	2376	2764	2764	2840	2935	3294	88	332	1064	1064	1225
Endothelin 3	Endothelin 3	Endothelin Receptor Type	Endothelin Receptor Type	Endothelin Receptor Type	Endothelin Receptor Type	Endothelin Receptor Type	Endothelin Receptor Type	Endothelin Receptor Type	Endothelin Receptor Type	Endothelin Receptor Type	Endothelin Receptor Type	Endothelin Receptor Type	Endothelin Receptor Type	Endothelin Receptor Type A	Endothelin Receptor Type	Endothelin Receptor Type	Endothelin Receptor Type	Endothelin Receptor Type	Human enyol-CoA: hydratase 3-hydroxyacyl- CoA dehydrogenase
GEN-	GEN-	GEN- FA- FA- FA- FA- FA- FA- FA- FA- FA- FA	GEN- 4DX	GEN-	ij Ż	Š Š	A STA	GEN-	GEN-	GEN-	GEN-	GEN-	A SEN	GEN-	GEN-	GEN-	GEN-	GEN-	GEN- 1DF
131242	131242	131243	131243	131243	131243	131243	131243	131243	131243	131243	131243	131243	131243	131243	131244	131244	131244	131244	261515
X52001	X52001	D90348	D90348	D90348	D90348	D90348	D90348	D90348	D90348	D90348	D90348	D90348	D90348	D90348	L06623	L06623	L06623	L06623	L07077
EDN3	EDN3	EDNRA	EDNRA	EDNRA	EDNRA	EDNRA	EDNRA	EDNRA	EDNRA	EDNRA	EDNRA	EDNRA	EDNRA	EDNRA	EDNRB	EDNRB	EDNRB	EDNRB	ЕННАDН

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1816C>A	2953G>A	3010G>A	(-123)G>C	735T>C	756A>G	771A>G	773G>C	821A>C	861C>T	1209A>T	1212T>C
1823	3026	3083	.323	1180	1201	1216	1218	1266	1306	1654	1657
(EHHADH) mRNA, complete cds with repeats Human enyol-CoA: hydratase 3-hydroxyacyl-CoA dehydrogenase	(EHHADH) mRNA, complete cds with repeats Human long-chain acylcoenzyme A synthetase (FACL1) mRNA, complete	cds Human long-chain acyl- coenzyme A synthetase (FACL1) mRNA, complete	Human keratinocyte growth factor mRNA,	Complete cos Human keratinocyte growth factor mRNA,	Human keratinocyte growth factor mRNA,	Complete cas Human keratinocyte growth factor mRNA,	Human keratinocyte growth factor mRNA,				
GEN- 1DF	GEN-1GI	GEN-1GI	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE
261515	152425	L09229 152425	148180	148180	148180	148180	148180	148180	148180	148180	148180
L07077 261515	L09229	L09229	M60828	M60828	M60828	M60828	M60828	M60828	M60828	M60828	M60828
ЕННАОН	FACL1	FACL1	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7

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	1354A>T	1356C>T	1422A>G	1500C>A	1528G>A	1722G>A	1741A>G	1857T>A	1883G>A	291T>C	636G>C	639A>G	159T>G	159A>G
	1799	1801	1867	1945	1973	2167	2186	2302	2328	300	645	648	276	338
complete cds	Human keratinocyte growth factor mRNA, complete cds	Human keratinocyte growth factor mRNA, complete cds	Human fibroblast growth factor 8 (FGF-8) mRNA, complete cds	Human fibroblast growth factor 8 (FGF-8) mRNA, complete cds	Human fibroblast growth factor 8 (FGF-8) mRNA, complete cds	Human mRNA for fibroblast growth factor (FGF) receptor	Human bek mRNA for							
	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN . 3BE	GEN- 3BE	GEN- 2MX	GEN- 2MX	GEN- ZMX	GEN- 32G	GEN-341
	148180	148180	148180	148180	148180	148180.	148180	148180	148180	600483	600483	600483	136350	176943
	M60828	M60828	M60828	M60828	M60828	M60828	M60828	M60828	M60828	U36223	U36223	U36223	X51803	X52832 176943
	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF8	FGF8	FGF8	FGFR1	FGFR2

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	2724A>T		3108C>A	3715G>A	,	28G>A		162T>G		2039G>A		(-14)G>A	33C>T	2473C>T	2649C>T	2668T>G	2681G>A	339C>T		897T>C		1296G>T		1307C>A		1334G>A		!	780C>A	
	2903		3108	3715	;	83		217		2105		815	861	3301	3477	3496	3509	339		925		1324		1335		1362		i	780	
fibroblast growth factor	receptor-BEK Human bek mRNA for	fibroblast growth factor receptor-BEK	Human novel growth factor	Human novel growth factor	receptor mRNA, 3 cds	Human FGFR-4 mRNA for fibroblast growth factor	receptor (FGFR-4)	Human FGFR-4 mRNA for fibroblast growth factor	receptor (FGFR-4)	FSH receptor	:	a-gincosidase	a-glucosidase	a-glucosidase	a-glucosidase	a-glucosidase	a-glucosidase	H.sapiens pro-galanin	mRNA; 3 end	Human serum vitamin D-	binding protein (hDBP) mRNA complete cds	Human serum vitamin D-	binding protein (hDBP) mRNA_complete_cds	Human serum vitamin D-	binding protein (hDBP)	Human serum vitamin D-	binding protein (hDBP)	illriva, colliplete cus	Human glucagon-like peptide-1 receptor mRNA	אוווי לא פוויים
	GEN-341		GEN-	GEN-	3EX	37M 37M		GEN- 37M		GEN.	aFO.	GEN-07	GEN-UJ	GEN-U	GEN-UJ	GEN-UJ	GEN-UJ	GEN-	3PM	GEN	M N	GEN	M N N	GEN-	1 N N	GEN-	1MN		GEN-V3	
	X52832 176943		134934	134934	!	134935		134935		136435		232300	232300	232300	232300	232300	232300	137035		139200		139200		139200		139200			138032	
	X52832		M64347	M64347		X57205		X57205		M65085		Y00839	Y00839	Y00839	Y00839	Y00839	Y00839	M77140		M12654		M12654		M12654		M12654			001157	
	FGFR2		FGFR3	FGFR3		FGFR4		FGFR4		FSHR	i	SA SA	GA4	GAA	GAA	GAA	GAA	GALN		ပ္ပ		ပ္ပ		ပ္ပ		ပ္ပ		1	GLP1R	

GLP1R U01157 138032 GEN-V3 Pumment complete cids repeat, complete cids 780C>A F260L GLP1R U01157 138032 GEN-V3 GEN-V3 Peptide-1 receptor mRNA with CA dinucleotide repeat, complete cids 947 947G>C G316A GLP1R U01157 138032 GEN-V3 GEN-V3 Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide repeat, complete cids 947 947G>C G316A GLP1R U01157 138032 GEN-V3 GEN-V3 Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide repeat, complete cids 1200C>A S GLP1R U01157 138032 GEN-V3 GEN-V3 Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide respect complete cids 1200C>A S GRX1 V00433 138320 GEN-T3 Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide respect complete cids 1411.13.9 1411.13.9 S GPX1 V00433 138320 GEN-T3 Human mRNA for 10.00 1411.13.9 1411.13.9 S GPX1 V00433 138320 GEN-T3 Human mRNA for 110 173C>A 3 GPX1 V00433 138320 GEN-T3 Human mRNA for 1110							•						
Complete cds Complete cds Complete cds		F260L	G316A	G316A	Ø	ω	ന	w	R98G	P198L	က	ო	ო
repeat, complete cds U01157 138032 GEN-V3 Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide repeat, complete cds U01157 138032 GEN-V3 Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide repeat, complete cds U01157 138032 GEN-V3 Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide repeat, complete cds U01157 138032 GEN-V3 Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide repeat, complete cds Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide repeat, complete cds Human glucagon-like peptide-1 receptor mRNA vith CA dinucleotide repeat, complete cds Human glucagon-like peptide-1 receptor mRNA vith CA dinucleotide repeat, complete cds Human glucagon-like peptide-1 receptor mRNA vith CA dinucleotide repeat, complete cds Human glucagon-like peptide-1 receptor mRNA vith CA dinucleotide repeat, complete cds Human glucagon-like peptide-1 receptor mRNA vith CA dinucleotide repeat, complete cds Human glucagon-like peptide-1 receptor mRNA vith CA dinucleotide repeat, complete cds Human glucagon-like peptide-1 receptor mRNA vith CA dinucleotide repeat, complete cds Human glucagon-like peptide-1 receptor mRNA vith CA dinucleotide repeat, complete cds Human glucagon-like peptide-1 receptor mRNA vith CA dinucleotide repeat, complete cds Human glucagon-like peptide-1 receptor mRNA vith CA dinucleotide repeat, complete cds Human glucagon-like peptide-1 receptor mRNA vith CA dinucleotide repeat, complete cds Human glucagon-like peptide-1 receptor mRNA vith CA dinucleotide repeat, complete cds Human glucagon-like peptide-1 receptor mRNA vith CA dinucleotide repeat, complete cds Human mRNA vith CA din		780C>A	947G>C	947G>C	1200C>A	1200C>A	1347C>A	186G>A	292C>G	593C>T	.730A>C	792A>C	773C>T
repeat, co U01157 138032 GEN-V3 Human glu peptide-1 recel with CA d repeat, co U01157 138032 GEN-V3 Human glu with CA d repeat, co Human glu peptide-1 recel with CA d		780	947	947	1200	1200	1371	504	610	911	1048	1110	821
U01157 138032 U01157 138032 U01157 138032 U01157 138032 V00433 138320 Y00433 138320 Y00433 138320 Y00433 138320 X58295 138321	repeat, complete cds	Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide repeat complete cds	Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide repeat. complete cds	Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide repeat, complete cds	Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide reneat complete cds	Human glucagon-like peptide-1 receptor mRNA with CA dinucleotide reneat complete cds	Gonadotropin releasing hormone agonist	Human mRNA for glutathione peroxidase (EC	Human GPx-3 mRNA for plasma glutathione peroxidase				
		GEN-V3	GEN-V3	GEN-V3	GEN-V3	GEN-V3	GEN-	GEN-TJ	GEN-TJ	GEN-TJ	GEN-TJ	GEN-TJ	GEN- 38S
		138032	138032	138032	138032	138032	138850	138320	138320	138320	138320	138320	138321
GLP1R GLP1R GLP1R GLP1R GPX1 GPX1 GPX1 GPX3		U01157		U01157	U01157	U01157	L07949	Y00433	Y00433	Y00433	Y00433	Y00433	X58295
		GLP1R	GLP1R	GLP1R	GLP1R	GLP1R	GNRHR	GPX1	GPX1	GPX1	GPX1	GPX1	GPX3

က	က	က	က	က	က	ო	ო	ო	w	1136T	R706S	က
931G>A	1139T>G	1306C>T	1395C>T	1468C>A	1533C>T	638T>C	757C>A	802A>C	324G>A	407T>C	2116C>A	2297A>C
919	1187	1354	1443	1516	1581	718	837	882	364	267	2276	2457
Human GPx-3 mRNA for plasma glutathione	H.sapiens GPX-4 mRNA for phospholipid hydroperoxide glutathione	H.sapiens GPx-4 mRNA for phospholipid hydroperoxide glutathione	H.sapiens GPx-4 mRNA for phospholipid for phospholipid hydroperoxide glutathione	Human glutathione synthetase mRNA,	Human muscle glycogen synthase mRNA, complete	Human muscle glycogen synthase mRNA, complete	Human muscle glycogen synthase mRNA, complete					
GEN- 38S	GEN- 38S	GEN- 38S	GEN- 38S	GEN- 38S	GEN- 38S	GEN-3L1	GEN-3L1	GEN-3L1	GEN- 2LF	GEN- 14W	GEN- 14W	GEN- 14W
138321	138321	138321	138321	138321	138321	138322	X71973 138322	138322	601002	138570	138570	138570
X58295	X58295	X58295	X58295	X58295	X58295	X71973	X71973	X71973	U34683	J04501	J04501	J04501
GPX3	GPX3	GPX3	GPX3	GPX3	GPX3	GPX4	GPX4	GPX4	GSS	GYS1	GYS1	GYS1

GYS1 J04501 138570 GEN- Human muscle glycogen 2310C>T 3 GYS1 J04501 138570 GEN- Human muscle glycogen 3089 2839T>C 3 HADHA U04827 600890 GEN-155 Human 78 kDa gastim- 1507 1507G>A V503M hinding protein mRNA, complete cds Human 78 kDa gastim- 1507 1507G>A V503M hinding protein mRNA for mitochondrial 3-keraceyy- CoA thiolase beta-subunit of trifunctional protein, complete cds Human mRNA for 1908 1862A>C 3 HADHB D16481 143450 GEN- Human mRNA for 1908 1862A>C 3 HADHB D16481 143450 GEN- Human mRNA for 1908 1865A>C 3 HADHB D16481 143450 GEN- Human mRNA for 1908 1865A>C 3 HADHB D16481 143450 GEN- Human mRNA for 1908 1865A>C 3 HADHB D16481 143450 GEN- Human mRNA for 1908 1865A>C 3 HADHB D16481 143450 GEN- Human mRNA for 1908 1865A>C 3 HADHB D16481 143450 GEN- Human mRNA for 1908 1865A>C 3 HADHB D16481 143450 GEN- Human mRNA for 1908 1865A>C 3 HADHB D16481 143450 GEN- Human mRNA for 1908 1865A>C 3 HADHB D16481 143450 GEN- Human mRNA for 1908 1865A>C 3 HADHB D16481 143450 GEN- Human mRNA for 1908 1865A>C 3 HADHB D16481 143450 GEN- Human mRNA for 1908 1865A>C S HADHB D16481 143450 HADHB D1648403 146733 GEN- Human mRNA for 1908 1865A>C S HADHB D1783 U05659 284300 GEN-186 Human mRNA for 1908 1869>C S HADHB D1784 M62403 146733 GEN- Human msulfi-like growth 170ea- Gds GGN- Human msulfi-like growth 1859 776G>A S											
138570 GEN	•	ო	ო	V503M	Ø	თ	က	ო	ო	w	Ø
JO4501 138570 GEN- Human muscle glycogen 14W synthase mRNA, complete cds U04627 600890 GEN-155 Human 78 kDa gastrinbinding protein mRNA, complete cds Human 78 kDa gastringthingthingthingthingthingthingthingth		2310C>T	2939T>C	1507G>A	825T>C	1561G>C	1862A>C	1865A>C	5606T>A	846G>C	776G>A
J04501 138570 GEN- Human muscle glycc 14W synthase mRNA, complete 14W Synthase mRNA, complete 14W Synthase mRNA, complete 143450 GEN-155 Human mRNV Complete 143450 GEN-175 Mitochondrial 3-ketor Complete 143450 GEN-186 Mitorase beta-sut of trifunctional pro complete 143450 GEN-186 Mitochondrial 3-ketor Complete 143450 GEN-186 Mitorayste dehydrogenase tylman insulin-like graph mRNA, complete 143450 GEN-186 Mitorayste 171 Mitorayste 172 Mitorayste 173 GEN-186 Mitorayste 173 GEN-186 Mitorayste 174 Mitorayste 174 Mitorayste 174 Mitorayste 175 Complete 174 Mitorayste 174 Mitorayste 174 Mitorayste 174 Mitorayste 174 Mitorayste 174 Mitorayste 175 Mitorayste 175 Mitorayste 175 Mitorayste 175 Mitorayste 175 Mitorayste 174 Mitorayste 175 Mitorayste 17		2470	3038	1507	871	1607	1908	1911	5740	894	859
J04501 138570 J04501 138570 U04627 600890 GE D16481 143450 D16481 143450 X16323 142409 U05659 264300 GE U05659 264300 GE		Human muscle glycogen synthase mRNA, complete cds	Human muscle glycogen synthase mRNA, complete cds	Human 78 kDa gastrin- binding protein mRNA,	Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds.	Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds	Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds	Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete cds.	Human mRNA for hepatocyte growth factor	Human 17beta- hydroxysteroid dehydrogenase type 3 mRNA complete cds	Human Insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete cds
J04501 J04501 U04627 D16481 D16481 X16323 X16323 M62403	-	GEN- 14W	GEN- 14W	GEN-155	GEN- 1Y5	GEN- 1Y5	GEN- 1Y5	GEN- 1Y5	GEN-	GEN-186	GEN- 3CJ
			138570	900890	143450		143450	143450		264300	146733
GYS1 GYS1 HADHA HADHB HADHB HADHB HGF HGF		J04501	J04501	U04627	D16481	D16481	D16481	D16481	X16323	U05659	M62403
		GYS1	GYS1	НАБНА	НАОНВ	НАОНВ	НАДНВ	НАДНВ	HGF	HSD17B3	IGFBP4

ო	ო	က	က	ო	ო	က	L847I	သ	P44T	tL.	D137A
1320G>T	1360G>A	1363G>A	1402A>T	751A>C	835A>C	850G>A	2539C>A	(-9)G>A	130C>A	306C>A	410A>C
1403	1443	1446	1485	751	835	850	2562	11	155	331	435
Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete	Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete	Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete	Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete	Human mRNA for fibronectin receptor alpha	CHORIOGONADOTROPI N BETA CHAIN PRECIESOR	CHORIOGONADOTROPI N BETA CHAIN	CHORIOGONADOTROPI N BETA CHAIN PRECIESOR	CHORIOGONADOTROPI
GEN- 3CJ	GEN- 3CJ	GEN- 3CJ	GEN- 3CJ	GEN-3J0	GEN-3J0	GEN-3J0	GEN- 19B	GEN-2H	GEN-2H	GEN-2H	GEN-2H
146733	146733	146733	146733	146735	146735	146735	135620	118860	118860	118860	118860
M62403 146733	M62403 146733	M62403	M62403	M69054	M69054	M69054 146735	X06256	J00117	J00117	J00117	J00117
IGFBP4	IGFBP4	IGFBP4	IGFBP4	IGFBP6	IGFBP6	І С FВР6	ITGA5	J00117	J00117	J00117	J00117

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w	Ø	S	σ	V618A	ıι	Ø	ဟ	P2739L	တ	D3319H	T3427K	Q3432E	13732T	A3876V	တ	F3949L
450C>T	492A>C	81C>T	81T>C	1853T>C	6538C>T	6936T>C	7545T>C	8216C>T	8547T>C	9955G>C	10280C>A	10294C>G	11195T>C	11627C>T	11784T>A	11845T>C
475	517	81	8	1931	6616	7014	7623	8294	8625	10033	10358	10372	11273	11705	11862	11923
N BETA CHAIN PRECURSOR GEN-2H CHORIOGONADOTROPI N BETA CHAIN	CHORIOGC	Human enkephalin gene	Human (genomic clones lambda-[SK2-T2, HS578T]; cDNA clones RS-[3,4, 6]) c-Ha-ras1 proto-oncogene,	complete coding sequence Apolipoprotein B (including	Apolipoprotein B (including	Apolipoprotein B (including	Ag(x) antigen) Apollpoprotein B (including	Ag(x) antigen) Apolipoprotein B (including	Apolipoprotein B (including	Ag(x) antigen) Apolipoprotein B (including	Apolipoprotein B (including Ag(x) antigen)					
GEN-2H	GEN-2H	GEN-	GEN- MH8	GEN-6N	GEN-6N	GEN-6N	GEN-6N	GEN-6N	GEN-6N	GEN-6N	GEN-6N	GEN-6N	GEN-6N	GEN-6N	GEN-6N	GEN-6N
118860	118860	131330	190020	107730	107730	107730	107730	107730	107730	107730	107730	107730	107730	107730	107730	107730
J00117	J00117	J00123	J00277	J02610	302610	J02610	J02610	J02610	J02610	J02610	J02610	J02610	J02610	J02610	J02610	J02610
J00117	J00117	J00123	700277	J02610	J02610	J02610	J02610	J02610	J02610	J02610	J02610	J02610	J02610	J02610	J02610	J02610

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E4128V	G4133A	တ	E4181K	က	က	က	က	E45K		တ		P241S	P587S	R127H	A171T	က	က	ဟ		ဟ		ო	က	
12383A>T	12398G>C	12408G>C	12541G>A	615T>G	622T>G	640C>G	684A>G	133G>A		288C>T		721C>T	1759C>T	380G>A	511G>A	638C>G	649C>T	57C>T		444C>T		1589C>A	1718C>G	
12461	12476	12486	12619	929	683	701	745	133		288		721	1759	932	1063	1190	1201	172		559		1704	1833	
Apolipoprotein B (including	Apolipoprotein B (including Apolipoprotein B)	Apolipoprotein B (including	Apolipoprotein B (including	Human apolipoprotein D	Human apolipoprotein D	Human apolipoprotein D	Human apolipoprotein D	Human matrix	metalloproteinase-3 (MMP- 3) mRNA, complete cds	Human matrix	metalloproteinase-3 (MMP- 3) mRNA, complete cds	Human collagenase type IV mRNA, 3 end	Human collagenase type IV mRNA, 3 end	Insulin-like growth factor 2	Vitamin D (1,25- dihydroxyvltamin D3)	receptor	Vitamin D (1,25-	receptor	Vitamin D (1,25- dihydroxyvitamin D3)	receptor Vitamin D (1,25-	Only discounting DO			
GEN-6N	GEN-6N	GEN-6N	GEN-6N	GEN-60	GEN-60	GEN-60	GEN-60	GEN-PK		GEN-PK		GEN-ZY	GEN-ZY	GEN-PJ	GEN-PJ	GEN-PJ	GEN-PJ	GEN-2J		GEN-2J		GEN-2J	GEN-2J	•
107730	107730	107730	107730	107740	107740	107740	107740	185250		J03209 185250		120360	120360	147470	147470	147470	147470	601769		601769		601769	601769	
J02610	J02610	J02610	J02610	J02611	J02611	J02611	J02611	J03209		J03209		J03210	J03210	J03242	J03242	J03242	J03242	J03258		J03258		J03258	J03258	
J02610	J02610	J02610	J02610	J02611	. J02611	J02611	J02611	303209		303209		J03210	J03210	J03242	J03242	J03242	J03242	J03258		J03258		J03258	J03258	

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	1743G>T	1844A>C	2075delT	3186C>A	3876A>G	4072G>A	4072G>A	1493A>C	1548T>A	1737A>G
	1858	1959	2190	3301	3991	4187	4187	1569	1624	1813
Leceptor	Vitamin D (1,25- dihydroxyvitamin D3)	Vitamin D (1,25-dihydroxyvitamin D3)	receptor Vitamin D (1,25- dihydroxyvitamin D3)	Vitamin D (1,25- dihydroxyvitamin D3)	Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid	denydrogenase complex) Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid	denydrogenase Complex) Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex,			
	GEN-2J	GEN-2J	GEN-2J	GEN-2J	GEN-2J	GEN-2J	GEN-2J	GEN-C5	GEN-C5	GEN-C5
	601769	601769	601769	601769	601769	601769	J03258 601769	246900	J03490 246900	246900
	J03258	J03258	J03258	J03258	J03258	J03258	J03258	J03490	J03490	J03490
	J03258	J03258	J03258	J03258	J03258	J03258	J03258		J03490	J03490

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	ო :		ო	က	m	1	က	N160S		တ	A261S	2	ဟ	တ		[P505V;50	6-505del]	D592G	တ	ď)	M828T	Ø	တ
	20207>C		967G>A	991T>C	1090G>C		1122G>A	4794>G) : :	582C>T	781G>T	2	1020C>T	1513-	1515CCT>CC T	1513-	1515delCCT	1775A>G	2193G>A	2328A>G		2483T>C	3387T>C	3387T>C
	2096		1099	1123	1222	ļ)	1254	503	3	604	803	3	1042	1535		1535		1797	2215	2350	2	2505	3409	3409
branched chain keto acid dehydrogenase complex)	Dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex,	branched chain keto acid dehydrogenase complex)	Human adrenodoxin	Human adrenodoxin	mKNA, complete cds Human adrenodoxin	mRNA, complete cds	Human adrenodoxin	mRNA, complete cds	enzyme (ACE)	Angiotensin-converting	enzyme (ACE)	enzyme (ACE)	Angiotensin-converting	Angiotensin-converting	enzyme (ACE)	Anglotensin-converting	enzymė (ACE)	Angiotensin-converting enzyme (ACE)	Angiotensin-converting	enzyme (ACE)	enzyme (ACE)	Angiotensin-converting	Angiotensin-converting	enzyme (ACE) Angiotensin-converting
	GEN-C5		GEN-	GEN-	O TIME	11M	GEN-	11M 0FN-2		GEN-2L	SEN.		GEN-2L	GEN-2L		GEN-2L		GEN-2L	GEN-2L	SEN.5)	GEN-2L	GEN-2L	GEN-2L
	J03490 246900		J03548 103260	103260	103260		103260	106180		106180	106180		106180	106180		106180		106180	106180	106180	2	106180	106180	J04144 106180
	J03490		J03548	J03548	J03548		J03548	104144		J04144	104144		J04144	J04144		J04144 106180		J04144 106180	J04144 106180	104144	-	J04144	J04144	J04144
	J03490		J03548	J03548	J03548)))	J03548	104144		J04144	104144		304144	J04144		J04144		J04144	J04144	104144		J04144	304144	J04144

	ω	w	က	ო	က	ო	က	ო	က	A18T	E21K	E31K	L46P	ш.	T60A
	1821A>C	2082G>A	2127C>T	2269T>C	2314C>T	2316G>T	2332G>T	2541G>A	2651C>T	52G>A	61G>A	91G>A	137T>C	144delG	178A>G
	1840	2101	2146	2288	2314	2316	2332	2541	2651	112	121	151	197	204	238
enzyme (ACE)	Human type IV collagenase mRNA, complete cds	Human carboxypeptidase N mRNA, 3 end	Human carboxypeptidase N mRNA, 3 end	Human carboxypeptidase N mRNA, 3 end	Human carboxypeptidase N mRNA: 3 end	Human carboxypeptidase N mRNA, 3 end	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alieles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alletes)	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA			
	GEN- 16U	GEN- 16U	GEN- 16U	GEN- 16U	GEN-173	GEN-173	GEN-173	GEN-173	GEN-173	GEN-PO	GEN-PO	GEN-PO	GEN-P0	GEN-P0	GEN-PO
	120361	120361	120361	120361	603104	603104	603104	603104	603104	107741	107741	107741	107741	107741	107741
	020501	J05070	J05070	J05070	J05158	J05158	J05158	J05158	J05158	K00396	K00396	K00396	K00396	K00396	K00396
	J05070	02050	02020	J05070	J05158	J05158	J05158	J05158	J05158	K00396	K00396	K00396	K00396	K00396	K00396

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P102R	A117T	C130R	G145D	R152Q	R154S	R160C	R163C	R163H	K164E	R176C	R176C	ᄕ	R242Q
305C>G	349G>A	388T>C	434G>A	455G>A	460C>A	478C>T	487C>T	488G>A	490A>G	526C>T	526C>T	683G>A	725G>A
365	409	448	494	515	520	538	547	548	550	586	586	743	785
Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alieles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)
GEN-P0	GEN-PO	GEN-PO	GEN-PO	GEN-PO	GEN-PO	GEN-PO	GEN-PO	GEN-PO	GEN-PO	GEN-P0	GEN-PO	GEN-PO	GEN-P0
107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741
K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396						
K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396						

	R246C	V254E	R269G	R292H	S314R	ဟ	တ	വ	ည	2	E10K	M11	ဟ		თ	T770A		G785R		N833K			E846V		
	736C>T	761T>A	805C>G	875G>A	940A>C	150G>A	204C>T	(-68)A>C	(-61)A>C	(-39)C>T	28G>A	33G>A	1305C>T		1941G>C	2308A>G		2353G>C		2499C>G		1	2537A>1		
	962	821	865	935	1000	236	290	19	56	48	114	119	1484		2120	2308		2353		2499			2537		
mRNA	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	Human apolipoprotein E (epsilon 2 and 3 alieles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	Neuropeptide Y	Neuropeptide Y	Interleukin 1, beta	Interfeukin 1, beta	Interleukin 1, beta	Interleukin 1, beta	Interleukin 1, beta	Human (HepG2) glucose transporter gene mRNA	complete cds	Human (HepG2) glucose transporter gene mRNA,	complete cds	growth factor receptor	H.saplens mRNA for	growth factor receptor tyrosine kinase	H.sapiens mRNA for	growth factor receptor	tyrosine kinase	H.sapiens mRNA for	growin racior receptor	÷ .
	GEN-P0	GEN-P0	GEN-P0	GEN-P0	GEN-P0	GEN-20	GEN-20	GEN-5M	GEN-5M	GEN-5M	GEN-5M	GEN-5M	GEN-ZT		GEN-ZT	E S	382	GEN-	3BZ	GEN	3BZ	į	GEN-	307	
	107741	107741	107741	107741	107741	162640	162640	147720	147720	147720	147720	147720	138140		138140	191306		191306		191306			191306		
	K00396 107741	K00396	K00396	K00396	K00396	K01911	K01911	K02770	K02770	K02770	K02770	K02770	K03195		K03195	X61656		X61656		X61656			X61656		
	K00396	K00396	K00396	K00396	K00396	K01911	K01911	K02770	K02770	K02770	K02770	K02770	K03195		K03195	X S		XOX R		KDR			XOX		

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4123G>C	72C>T	104G>A	717C>T	882G>A	1181A>G	1187C>G	1188T>G	1192G>A	1223G>A	1224C>T	1225G>A	1228T>C	1235T>C
4123	7	103	716	881	1180	1186	1187	1191	1222	1223	1224	1227	1234
tyrosine kinase H.sapiens mRNA for growth factor receptor	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene,	Human low density										
GEN- 3BZ	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN-
191306	143890	143890	143890	143890	143890	143890	143890	143890	143890	143890	143890	143890	143890
X61656	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352
X D R	L00352	L00352	L00352	L00352		L00352	L00352						

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	1253A>T	1269A>C	1269A>T	1280C>T	1281G>A	1309C>T	1310G>A	1317G>A	1321T>C	1346G>A	1369T>C	1377C>T	1384C>T
	1252	1268	1268	1279	1280	1308	1309	1316	1320	1345	1368	1376	1383
lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18
228	GEN- 2S8												
	L00352 143890	143890	143890	143890	143890	143890	143890	143890	143890	143890	143890	143890	143890
	L00352												
	L00352												

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1407T>C	1419G>C	1429T>C	1454C>T	1797T>C	2109G>A	2491A>C	432G>A	2782C>G	1638G>A	1411T>A	1647C>G	1651G>C	1678C>G	2223C>T	2445C>T	423T>C
1406	1418	1428	1453	1796	2108	2490	648	3119	2031	1410	1646	1650	1677	2222	2444	423
Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human peroxisome proliferator activated receptor mRNA, complete cds	Human peroxisome proliferator activated receptor mRNA, complete cos	Human mitochondrial 1,25- dihydroxyvitamin D3 24- hydroxylase mRNA, complete cds	guanylate cyclase	Human guanine nucleotide					
GEN- 2S8	GEN-	GEN- 1E7	GEN- 103	GEN-2Q	GEN-20	GEN-20	GEN-20	GEN-2Q	GEN-20	GEN-						
143890	143890	143890	143890	143890	143890	143890	170998	600409	600125	108961	108961	108961	108961	108961	108961	182530
L00352	L02932	L07592	L13286	L13436	L13436	L13436	L13436	L13436	L13436	L13858						
L00352	L02932	L07592 .	L13286	L13436	L13436	L13436	L13436	L13436	L13436	L13858						

	Ø	S	R95K	ო	တ	T487K	လ	ဟ	V89I	တ	T85A	K109R	Q223R	တ
	3957G>A	747G>A	284G>A	2771A>G	819C>T	1460C>A	(-38)A>C	744C>T	265G>A	3981A>G	253A>G	326A>G	668A>G	1029T>C
	3957	838	297	3141	906	1547	146	927	265	4019	446	519	861	1222
exchange factor mRNA,	Human guani exchange f	Human TGF-b superfamily receptor type I mRNA, complete cds	Human MAC25 mRNA, complete cds	Human feukemia virus receptor 1 (GLVR1) mRNA, complete cds	Human phospholipid transfer protein mRNA, complete cds	Human phospholipid transfer protein mRNA, complete cds	Human melanocortin 5 receptor (MC5R) gene, comolete cds	Human melanocortin 5 receptor (MC5R) gene, complete cds	Homo sapiens (clone PEBP2aA1) core-binding factor, runt domain, alpha subunit 1 (CBFA1) mRNA,	Cell surface receptor for sulfonylureas on pancreatic b cells	Human le	Human leptin receptor (Ob-	Ξ	Human leptin receptor (Ob- r) mRNA, complete cds
1PL	GEN- 1PL	GEN- 1ZQ	GEN- 21Z	GEN- 23V	GEN- 2AK	GEN- 2AK	GEN- 4G2	GEN- 4G2	GEN- 2SO	GEN-5Q	GEN.	GEN-	GEN	SUN 2UN
	L13858 182530	601284	602867	137570	172425	172425	None	None	600211	600209	601007	601007	601007	601007
	L13858	L17075	L19182	L20859	L26232	L26232	L27080	L27080	L40992	L78207	U43168	U43168	U43168	U43168
	L13858	L17075	L19182	L20859	L26232	L26232	L27080	L27080	L40992	L78207	LEPR	LEPR	LEPR	LEPR

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T661P	S	Ø	•	တ	T16P	G23R		M274	ო		ო	ო		ဟ		ဟ		S215N	Ø		တ	ო		တ		,	m
1981A>C	2571T>G	2958C>T		3057G>A	46A>C	67G>A		822G>A	1386C>T		2109A>T	2294C>T		465T>G		591A>G		644G>A	813C>T		1437C>A	513T>G		837G>A		!	1080C>1
2174	2764	3151		3250	191	212		796	1531	į	2254	2439		469		292		648	817		1441	686		850		- 1	1093
Human leptin receptor (Ob- r) mRNA, complete cds	Human leptin receptor (Ob-	r) mKNA, complete cds Human leptin receptor (Ob-	r) mRNA, complete cds	Human leptin receptor (Ob-	H. sapiens mRNA for	lysosomal acid lipase H.sapiens mRNA for	lysosomal acid lipase	H.sapiens mKNA for	lysosomal acid lipase H.sapiens mRNA for	lysosomal acid lipase	H.sapiens mRNA for	H.sapiens mRNA for	lysosomal acid lipase	Human hepatic lipase	mRNA, complete cds	Human hepatic lipase	mRNA, complete cds	Human hepatic lipase	mKNA, complete cds Human hepatic lipase	mRNA, complete cds	Human hepatic lipase	mkinA, complete cds Human ATL-derived PMA-	responsive (APR) peptide	Human alpha-2-	macroglobulin receptor-	complete cds	Human alpha-2- macroglobulin receptor-
GEN- SCN	GEN-	GEN-	SCN	SEN SEN SEN SEN SEN SEN SEN SEN SEN SEN	GEN-	3P2 GEN-	3P2	ביים פיים פיים	SPZ GEN-	3P2	GEN-	GEN.	3P2	GEN-11J		GEN-11J		GEN-11J	GEN-11J		GEN-11J	GEN-466		GEN-3EI		į	GEN-3EI
601007	601007	601007		601007	278000	278000		278000	278000		278000	278000		151670		151670		151670	151670		151670	107770		104225		:	104225
U43168	U43168	U43168		N43168	X76488	X76488		X/6488	X76488		X76488	X76488		J03540	!	303540		103540	303540		J03540	D90070		M63959			M63959 104225
LEPR	LEPR	LEPR	1	LEPR	LIPA	LIPA		LIPA	LIPA		LIPA	LIPA		LIPC		LIPC	1	LIPC	LIPC		LIPC	LRP1		LRPAP1			LRPAP1

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1162G>A	1236C>T	1236C>T	1379T>G	2619G>A	4233G>A 1088A>G	1892-	1892-1892-	1922A>T	2240T>G	2259A>C	2259A>T	2034C>T	3221T>G	3266T>G	(-162)G>A
1175	1249	1249	1392	2757	1220	2024	2024	2054	2372	2391	2391	2166	3353	3398	3 2
associated protein mRNA, complete cds Human alpha-2- macroglobulin receptor- associated protein mRNA,	complete cds Human alpha-2- macroglobulin receptor- associated protein mRNA.	complete cds Human alpha-2- macroglobulin receptor- associated protein mRNA,	complete cds Human alpha-2- macroglobulin receptor- associated protein mRNA,	Insulin receptor	Corticosteroid nuclear	Glucocorticoid receptor	Glucocorticoid receptor	Glucocorticoid receptor	Human heat shock protein (hsp 70) gene, complete cds						
GEN-3EI	GEN-3E	GEN-3EI	GEN-3EI	GEN-2V	GEN-2W	GEN-7Y	GEN-7Y	GEN-7Y	GEN- MF3						
104225	104225	104225	104225	147670	138040	138040	138040	138040	138040	138040	138040	138040	138040	138040	140550
M63959	M63959	M63959	M63959	M10051	M10901	M11050	M11050	M11050	M11717						
LRPAP1	LRPAP1	LRPAP1	LRPAP1	M10051	M10901	M11050	M11050	M11050	M11717						

ည	ဟ	V59M	ဟ	E110D	ဟ	က	W16S	S	ဟ	တ	က	က	လ	V26L	ဟ
(-26)C>G	105C>T	175G>A	216C>G	330G>C	1692C>G	2104A>G	47G>C	975C>G	315A>G	831G>A	1454A>G	1679C>T	(-11)T>C	76G>C	252C>T
190	320	390	431	545	1907	2319	· 62	1267	383	888	1522	1747	184	270	446
Human heat shock protein (hsp 70) gene, complete cds	Human heat shock protein (hsp 70) gene, complete cds	Human heat shock protein (hsp 70) gene, complete cds	Human heat shock protein (hsp 70) gene, complete cds	Human heat shock protein (hsp 70) gene, complete cds	Human heat shock protein (hsp 70) gene, complete cds	Human heat shock protein (hsp 70) gene, complete cds	Gonadotropin-releasing hormone (leutinizing-releasing hormone)	Estrogen receptor	Human skin collagenase mRNA, complete cds	Human skin collagenase mRNA, complete cds	Human skin collagenase mRNA, complete cds	Human skin collagenase mRNA complete cds	Human cathepsin B proteinase mRNA, complete cds	Human cathepsin B proteinase mRNA, complete cds	Human cathepsin B proteinase mRNA,
GEN- MF3	GEN- MF3	GEN- MF3	GEN- MF3	GEN- MF3	GEN-	GEN- MF3	GEN-2Y	GEN-72	GEN-QJ	GEN-QJ	GEN-QJ	GEN-QJ	GEN-QM	GEN-QM	GEN-QM
140550	140550	140550	140550	140550	140550	140550	152760	133430	120353	120353	120353	120353	161565	161565	M14221 161565
M11717 140550	M11717	M11717	M11717 140550	M11717 140550	M11717	M11717	M12578	M12674	M13509	M13509	M13509	M13509	M14221	M14221	M14221
M11717	M12578	M12674	M13509	M13509	M13509	M13509	M14221	M14221	M14221						

M14221 M14221 161565 GEN-QM Human cathepsin B 1254 1060C>G 3 M14221 M14221 161565 GEN-QM Human cathepsin B 1306 1112G>A 3 M14221 M14221 161565 GEN-QM Human cathepsin B 1336 1142T>A 3 M14221 M14221 161565 GEN-QM Human cathepsin B 1336 1144C>T 3 M14221 M14221 161565 GEN-QM Human cathepsin B 1451 1257G>A 3 M14221 M14221 161565 GEN-QM Human cathepsin B 1462 128BC>T 3 M14221 M14221 161565 GEN-QM Human cathepsin B 1522 138G>C 3 M14221 M14221 161565 GEN-QM Human cathepsin B 1557 138G>C 3 M14221 M14221 161565 GEN-QM Human cathepsin B 1585 1474T>C 3 M14222 M14221 161565 GEN-QM <th></th>															
M14221 161565 GEN-CM Human cathepsin B proteinase mRNA, complete cds human cathepsin B proteinase cds human cathepsin B proteinase cds		က	ო	ო	က	က	ო	ო	က	က	က	ო	က	ო	M3011
M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds Complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds Complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds Complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds Complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds Complete cds M14221 161565 GEN-QM Human cathepsin B proteinase mRNA, complete cds		1060C>G	1112G>A	1142T>A	1144C>T	1257G>A	1268C>T	1328G>C	1363G>C	1391C>A	1436T>C	1474T>G	1518C>G	1704A>G	.903G>C
M14221 161565 GEN-QM Human prote		1254	1306	1336	1338	1451	1462	1522	1557	1585	1630	1668	1712	1898	947
M14221 161565 M14221 161565	complete cds	Human cathepsin B proteinase mRNA, complete cds	Human cathepsin B proteinase mRNA, complete cds	Human cathepsin B proteinase mRNA, complete cds	Human cathebsin B proteinase mRNA, complete cds	Human cathepsin B proteinase mRNA,	Human cathepsin B proteinase mRNA, complete cds	Cytochrome P450,							
M14221 161565 M14221 161565		GEN-OM	GEN-OM	GEN-QM	GEN-OM	GEN-OM	GEN-QM	GEN-QM	GEN-QM	GEN-QM	GEN-QM	GEN-QM	GEN-OM	GEN-QM	GEN-30
			161565	161565	161565	161565	161565	161565	161565	161565	161565	161565	161565	161565	118485
M14221 M14221 M14221 M14221 M14221 M14221 M14221 M14221 M14221 M14221		M14221		M14221	M14221	M14565									
		M14221	M14221	M14221	M14565										

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	(-1122)C>G	(-1023)G>A	(-406)C>T	(-367)C>T	(-262)G>A	(-47)C>T	46A>G	46A>G	79C>G	79C>G	79C>G	100G>A	252G>A	523C>A	1053G>C	1239G>A	1275C>G	1277C>A	1278C>A	1784A>T	(-39)T>C	106G>A	264T>A	273G>A	300C>A	306A>C	337T>C	397C>T	506G>A	548A>G	596C>G	607G>A	621C>G	644G>A
	466	265	1182	1221	1326	1541	1633	1633	1666	1666	1666	1687	1839	2110	2640	2826	2862	2864	2865	3371	136	280	438	447	474	480	511	571	680	722	770	781	795	818
subfamily XIA (cholesterol side chain cleavage)	Beta2 Adrenergic Receptor	Beta2 Adrenergic:Receptor	Beta2 Adrenergic Receptor	Lipoprotein lipase																														
	GEN-T	GEN-1	GEN-T	GEN-1	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33																
	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	109690	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600
	M15169	M15856																																
	M15169	M15856																																

1221T	G222E	ဟ	D231E	P234L	ш.	R270H	S271T	D277N	N318S	A361T	L392V	ıι	C445Y	A460V	ட	ო	က	ო	ო	ო	ო	.თ	က	က	က	က	က	ဟ			တ		ß		1180V	
662T>C	665G>A	669C>T	693C>G	701C>T	742delG	809G>A	811T>A	829G>A	953A>G	1081G>A	1174C>G	1227G>A	1334G>A	1379C>T	1421C>G	1437G>A	1799T>C	2254T>A	2569T>C	2677A>G	2677A>G	2784G>A	2843T>C	3098T>C	3098T>C	3169T>C	3273C>T	741G>A			741G>A		(-42)C>G		538A>G	
836	839	843	867	875	916	983	982	1003	1127	1255	1348	1401	1508	1553	1595	1611	1973	2428	2743	2851	. 2851	2958	3017	3272	3272	3343	3447	825			825		175		754	
Lipoprotein lipase	Human 90-kDa heat-shock	protein gene, cDNA,	complete cds	Human 90-kDa heat-shock	protein gene, cDNA,	Mineralocorticoid receptor	(aldosterone receptor)	Mineralocorticoid receptor																												
GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-	1YC		GEN-) - -	GEN-36		GEN-36													
238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	238600	140571			140571		600983		600983	
M15856	M16660			M16660		M16801		M16801																												
M15856	M16660	į		M16660		M16801		M16801																												

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	722C>T	1005delC	1375delT	1497C>T	1609C>T	2222T>G	2514G>A	5027T>A	5429G>A	1938T>C		633G>A		1023T>C		1424G>A		2621A>T	1308C>T	2937T>C		2996C>T
	938	1221	1591	1713	1825	2438	2730	5243	5645	1956		982		1385		1786		3058	1550	3179	2	3238
(aldosterone receptor)	Mineralocorticold receptor	Mineralocorticold receptor	(aldosterone receptor) Mineralocorticoid receptor	(aldosterone receptor) Mineralocorticoid receptor	(aldosterone receptor) Mineralocorticold receptor	(aldosterone receptor) Mineralocorticoid receptor	(aldosterone receptor) Acyl-Coenzyme A	denydrogenase, C-4 to C- 12 straight chain	Androgen receptor	(dinydrotestosterone receptor)	Androgen receptor (dihydrotestosterone	receptor)	Androgen receptor (dihydrotestosterone	receptor)	Interleukin 6A	Human glucose transporter-like protein-III	(GLUT3), complete cds Human ofticose	transporter-like protein-III	transporter-like protein-III (GLUT3), complete cds			
	GEN-36	GEN-36	GEN-36	GEN-36	GEN-36	GEN-36	GEN-36	GEN-36	GEN-36	GEN-EI		GEN-38		GEN-38		GEN-38		GEN-3A	GEN- 230	GEN.	230	GEN- 230
	600983	600983	600983	600983	600983	600983	600983	600983	600983	201450		313700		313700		313700		147880	138170	138170		138170
	M16801	M16801	M16801	M16801	M16801	M16801	M16801	M16801	M16801	M16827		M20132		M20132		M20132 313700		M20566	M20681	M20681		M20681 138170
	M16801	M16801	M16801	M16801	M16801	M16801	M16801	M16801	M16801	M16827		M20132		M20132		M20132		M20566	M20681	M20681		M20681

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3114T>C	3136T>C	3282C>A	3330G>T	438C>T	74.1G>A	1150G>A	1280C>T	1765A>G	1100C>A	4604T>G	15G>C	'183C>T	185T>G	236C>T	670C>T	805G>A	340C>G	371T>G	449T>A
3356	3378	3524	3572	547	850	1259	1694	1797	1103	4686	34	202	204	255	689	824	370	401	479
Human glucose transporter-like protein-III	Human glucose transporter-like protein-III (GLUT3), complete cds	Human glucose transporter-like protein-III (GL UT3), complete cds	Human glucose transporter-like protein-till (GLUT3), complete cds	Pyruvate kinase, muscle	Pyruvate kinase, muscle	Pyruvate kinase, muscle	Retinoic acid receptor, gamma 1	Acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain	3beta hydroxysteroid	denydrogenase INTERLEUKIN 1 RECEPTOR, TYPE I PRECURSOR	Human apolipoprotein A-l	Human apolipoprotein A-I mRNA, complete cds	Human apolipoprotein A-I mRNA, complete cds	Human apolipoproteln A-I mRNA, complete cds	Human apolipoprotein A-I mRNA, complete cds	Human apolipoprotein A-I mRNA, complete cds	Apolipoprotein C-III	Apolipoprotein C-III	Apolipoprotein C-III
GEN- 230	GEN- 230	GEN- 230	GEN- 230	GEN-ES	GEN-ES	GEN-ES	GEN-80	GEN-EW	GEN-5W	GEN-3F	GEN-	GEN-	GEN-	SK SK	GEN-	GEN-	GEN-60	GEN-6Q	GEN-6Q
138170	138170	138170	138170	179050	179050	179050	180190	201470	109715	147810	107680	107680	107680	107680	107680	107680	107720	107720	107720
M20681 138170	M20681	M20681	M20681	M23725	M23725	M23725	M24857	M26393	M27137	M27492	M27875	M27875	M27875	M27875	M27875	M27875	M28614	M28614	· M28614
M20681	M20681	M20681	M20681	M23725	M23725	M23725	M24857	M26393	M27137	M27492	M27875	M27875	M27875	M27875	M27875	M27875	M28614	M28614	M28614

36E	တ	ဟ	P27S		P27S	(A356	A35G		Ø		Ø		S		ć	o		ட	ι	Ļ		.n	c	ာ		က	
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17C>A	174G>A	183C>A	79C>T		790>1	Ċ	10407	104C>G	! !	111G>T		111G>T		228C>T		5	7027		454T>C	į	404	1	22/6>1	1	25/20		541T>C	
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56	183	192	178		178	Ö	203	203		210		210		327		,	25		223	i	200		979	č	070	•	640	
Apolipoprotein A-II	Apolipoprotein A-II	Apolipoprotein A-II	Human cardiodilatin-atrial	natriuretic factor (CDD-ANF) mRNA, complete cds	Human cardiodilatin-atrial natriuretic factor (CDD-	ANF) mRNA, complete cds	numan cardiodilatin-afrial natriuretic factor (CDD-	ANF) mRNA, complete cds Human cardiodilatin-atrial	natriuretic factor (CDD-	ANF) mRNA, complete cds Human cardiodilatin-atrial	natriuretic factor (CDD-	ANF) mRNA, complete cds Human cardiodilatin-atrial	natriuretic factor (CDD-	ANF) mRNA, complete cds Human cardiodilatin-atrial	natriuretic factor (CDD-	ANF) mRNA, complete cds	noting in calciousant-arrial	ANF) mRNA, complete cds	Human cardiodilatin-atrial	ANF) mRNA, complete cds	numan cardiodilatin-atrial	ANF) mRNA, complete cds	Human cardiodilatin-atrial natriuretic factor (CDD-	ANF) mRNA, complete cds	natriuretic factor (CDD-	ANF) mRNA, complete cds	Human cardiodilatin-atrial	natriuretic factor (CUU-
GEN-6R	GEN-6R	GEN-6R	GEN-WA		GEN-WA		6 FIX-VA	GEN-WA		GEN-WA		GEN-WA		GEN-WA		\$ 12 L	¥^^=		GEN-WA	1	GEIN-WA		GEN-WA	4	¥ ^ ^ \ 100		GEN-WA	
107670	107670	107670	600295		600295		687009	600295		600295		600295		600295		90000	000283		600295		C67000		900285	0000	00000		600295	
M29882	M29882	M29882	M30262		M30262	000	MSUZBZ	M30262		M30262		M30262		M30262		0000	INISUZOZ		M30262		MISUZDZ		M30262		INISUZOZ		M30262	
M29882	M29882	M29882	M30262		M30262		MSUZBZ	, M30262		M30262		M30262		M30262			7070610		M30262	0000	M3UZBZ		M3UZ6Z	000	NISUZOZ		M30262	

	က	1253M	ო	က	G32A	ო	က	က	က	က	ო	D37N	တ	က	က	က	
	541T>C	759A>G	884T>C	1096C>G	95G>C	2069A>T	1043G>A	1241C>T	1314G>A	1459G>A	1750T>C	109G>A	438A>G	1172A>C	1179C>T	1323C>A	
	640	923	1048	1260	204	2178	1049	1271	1344	1489	1780	109	438	1172	1179	1323	
ANF) mRNA, complete cds	Human cardiodilatin-atrial natriuretic factor (CDD-ANF) mRNA, complete cds	Insulin-like growth factor binding profein 1 precursor	Insulin-like growth factor binding protein 1 precursor	Insulin-like growth factor binding protein 1 precursor	Human growth hormone- dependent insulin-like growth factor-binding protein mRNA, complete	Human growth hormone- dependent Insulin-like growth factor-binding protein mRNA, complete	Guanine nucleotide binding protein (G protein), beta polypeotide 3	Steroid 5 alpha reductase	Pyruvate dehydrogenase (lipoamide) beta	Pyruvate dehydrogenase (lipoamide) beta	Pyruvate dehydrogenase	Pyruvate dehydrogenase	Pyruvate dehydrogenase (lipoamide) beta				
	GEN-WA	GEN-3J	GEN-3J	GEN-3J	GEN- 2GD	GEN-	GEN-7G	GEN-5Y	GEN-5Y	GEN-5Y	GEN-5Y	GEN-F9	GEN-F9	GEN-F9	GEN-F9	GEN-F9	
		146730	146730	146730	146732	146732	139130	184753	184753	184753	184753	179060	179060	179060	179060	179060	
	M30262 600295	M31145	M31145	M31145	M31159	M31159	M31328 139130	M32313	M32313	M32313	M32313	M34479	M34479	M34479	M34479	M34479	
	M30262	M31145	M31145	M31145	M31159	M31159	M31328	M32313	M32313	M32313	M32313	M34479	M34479	M34479	M34479	M34479	

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1376G>C	1433C>T	663C>A	1163C>A	648T>G	519T>C	744G>T	1078T>C	3076T>G	4337A>C	4363A>G	4480A>C	1133T>G	1900C>T	1910A>G	1813C>T
1376	1433	9/9	1176	787	711	936	1270	3268	4529	4555	4672	1208	1975	1985	1828
Pyruvate dehydrogenase	Pyruvate dehydrogenase (lipoamide) beta	aldose reductase	aldose reductase	Human fibroblast growth factor-5 (FGF-5) mRNA, complete cds	Human K-ras oncogene protein mRNA, complete	Human K-ras oncogene protein mRNA, complete cds	Human K-ras oncogene protein mRNA, complete cds	Human K-ras oncogene protein mRNA, complete cds	Human K-ras oncogene protein mRNA, complete	Human K-ras oncogene protein mRNA, complete	Human K-ras oncogene protein mRNA, complete	Solute carrier family 2 (facilitated glucose transporter), member 5	Solute carrier family 2 (facilitated glucose transporter), member 5	Solute carrier family 2 (facilitated glucose	Human bilirubin UDP-glucuronosyltransferase
GEN-F9	GEN-F9	GEN-RH	GEN-RH	GEN- 20M	GEN- 35G	GEN- 35G	GEN- 35G	GEN- 35G	GEN- 35G	GEN- 35G	GEN- 35G	GEN-FF	GEN-FF	GEN-FF	GEN- 38A
179060	179060	103880	103880	165190	190070	190070	190070	190070	190070	190070	190070	138230	138230	138230	191740
M34479	M34479	M34720	M34720	M37825	M54968	M54968_190070	M54968	M54968	M54968	M54968	M54968	M55531	M55531	M55531	M57899
M34479	M34479	M34720	M34720	M37825	M54968	M54968	M54968	M54968	M54968	M54968	M54968	M55531	M55531	M55531	M57899

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	1941C>G		2042C>G		(-203)-(-	199)delTTTTT	1860C>G	-	3113A>G		852C>T			1058G>T		1263G>A	-	2926A>G	200C>G		778G>A		1216A>G	
	1956		2057		160		1860		3112		806			1087		1292		3076	199		777		1215	
isozyme 1 mRNA,	complete cds Human bilirubin UDP-	glucuronosyltransterase isozyme 1 mRNA, complete cds	Human bilirubin UDP-	isozyme 1 mRNA, complete cds	Human atrial natriuretic	peptide clearance receptor (ANP C-receptor) mRNA,	Human MHC class III	HSP70-2 gene (HLA), complete cds	Human P13-kinase	associated p85 mRNA sequence	Homo sapiens insulin-like	growth factor binding	protein 5 (IGFBP-5)	Protein phosphatase 1,	catalytic subunit, alpha isoform	Protein phosphatase 1,	catalytic subuliit, alpina isoform	Glycine cleavage system:	Human C-type natriuretic	peptide gene, complete	Human C-type natriuretic	peptide gene, complete	Human C-type natriuretic	peptide gene, complete
	GEN-	. 38A	GEN-	S	GEN	39P	GEN-	MSB	GEN-RV		GEN-	သင္တ		GEN-FT		GEN-FT		GEN-FU	GEN-	KUW	GEN-	XOX	GEN	ΚΟΨ
	191740		191740		108962		603012		171833		146734			176875		176875		238300	None		None		None	
	M57899		M57899		M59305		M59830		M61906		M62782			M63960		M63960		M64590	M64710		M64710		M64710	
	M57899		M57899		M59305		M59830		M61906		M62782			M63960		M63960		M64590	M64710		M64710		M64710	

P44R	·w	ဗ	ო	ო	ო	E162D	P164S	R165C	က	K374T V7A	T161S	တ	
131C>G	453C>G	1113A>G	506C>A	2307T>G	2419A>C	486G>T	490C>T	493C>T	886C>G	1121A>C 20T>C	481A>T	0<969	
273	595	1255	604	2316	2428	574	578	581	974	1121 26	487	705	
Human hnRNP type A/B protein mRNA, complete	Human hnRNP type A/B protein mRNA, complete	Human hnRNP type A/B protein mRNA, complete	Human cellular retinoic acid-binding protein II (CRABP) mRNA, complete	tyrosyl-p-amino-benzoyl-L-tyrosyl-p-amino-benzoic acid hydrolase alpha subunit (PPH alpha)	Human N-benzoyl-L- tyrosyl-p-amino-benzolc acid hydrolase alpha subunit (PPH alpha)	mKNA, complete cds Human NF-IL6-beta protein mRNA, complete	cus Human NF-IL6-beta protein mRNA, complete	cds Human NF-IL6-beta protein mRNA, complete	Human NF-IL6-beta protein mRNA, complete	Neuropeptide Y1 Human cathepsin S	Human cathepsin S	Human cathepsin S	A STATE OF THE STA
GEN- 3FM	GEN- 3FM	GEN- 3FM	GEN-S1	GEN- 3XC	GEN- 3XC	GEN- 3YG	GEN- 3YG	GEN- 3YG	GEN- 3YG	GEN-46 GEN-416	GEN-416	GEN-416	
602372	602372	602372	180231	600388	600388	116898	116898	116898	116898	162641 116845	116845	116845	
M65028	M65028	M65028	M68867	M82962	M82962	M83667	M83667	M83667	M83667	M84755 M86553	M86553	M86553	
M65028	M65028	M65028	M68867	M82962	M82962	M83667	M83667	M83667	M83667	M84755 M86553	M86553	M86553	SD-144146.1

	ო	S6P	G45R	S	ဟ	တ	တ	ო	ო	ო	က	က	က	က	က	က	က	က		S		0	109 /	01638		S	c	o	က		ഗ		ഗ	
	1143T>G	16T>C	133G>A	573T>C	573T>C	1062A>G	1062A>G	1150T>G	1166C>A	1166C>A	1166C>A	1173A>G	1397G>A	1517G>T	1605C>T	1636T>C	1878A>G	2846T>G		(-38)G>T		+ 000	1/86>1	488A>G		900C>T	0.00	947776	966G>A		60C>T		294G>A	
	1149	296	413	853	853	1342	1342	1430	1446	1446	1446	1453	1677	1797	1885	1916	2158	2968		136			340	656		1068	7	2	1134		9		294	
mRNA, complete cds	Human cathepsin S mRNA, complete cds	Anglotensin receptor AT1	Angiotensin receptor AT1	Glutamine-fructose-6-	phosphate transaminase	Human activin type II	receptor mRNA, complete	spo	H.saplens mKNA for MSH	H sanjens mRNA for MSH	receptor	H.sapiens mRNA for MSH	receptor	n.sapiens inking longer	H.saplens mRNA for MSH	receptor	Human met oncogene	mRNA, 3 end	Human met oncogene	MKWA, 3 600														
	GEN-416	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19	GEN-GI		GEN-	48S	į	בְיב <u>ל</u>	ָּבְּיָלְ בְּיִלְ	4Q4	GEN-	404	i de	GEN 4	4Q4	GEN-	2LU	GEN-	SLU								
	116845	106165	106165	106165	106165	106165	106165	106165	106165	106165	106165	106165	106165	106165	106165	106165	106165	138292		102581			155555	155555		155555	# # #	cccci	155555		164860		164860	
	M86553	M87290	M90516		M93415		, ,	X67594	X67594		X67594	7000	V0/ 284	X67594		M35074		M35074																
	M86553	M87290	M90516		M93415		3	25	MC18	; ;)	MC1R	0	ב ב	MC1R		MET		MET																

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T102A	N357S	ო	က	F608C	က	ဟ	က	က	ღ	ო	ဟ	တ	ဟ	တ	S
304A>G	1070A>G	2389G>C	548C>T	1823T>G	3207G>A	663G>A	2603C>T	2616C>T	2799G>A	3139C>G	2706C>T	1155C>T	1155C>T	1278C>T	1278C>T
330	1082	2389	575	1847	3231	832	2716	2729	2912	3252	3391	1380	1380	1503	1503
Human matrix Gla protein (MGP) mRNA, complete cds	Human metalloproteinase (HME) mRNA, complete cds	Homo sapiens mRNA for SMCP-2, partial cds	H.sapiens Mpv17 mRNA	H.sapiens mRNA for microsomal triglyceride transfer protein	H.sapiens mRNA for microsomal triglyceride transfer protein	Human mRNA for beta nerve growth factor	Human nerve growth factor receptor mRNA, complete cds	Human nerve growth factor receptor mRNA, complete cds	Human nerve growth factor receptor mRNA, complete cds	Human nerve growth factor receptor mRNA, complete cds	Human neuronal nitric oxide synthase (NOS1) mRNA, complete cds	H.sapiens mRNA for nitric oxide synthase	H.sapiens mRNA for nitric oxide synthase	H.sapiens mRNA for nitric oxide synthase	H.sapiens mRNA for nitric oxide synthase
GEN- 38Y	GEN-27J	GEN- 40A	GEN- 3P6	GEN- 307	307	GEN- 33V	GEN- 1S8	GEN- 1S8	GEN- 1S8	GEN- 1S8	GEN-209	GEN-	GEN-	GEN-	GEN- 3LW
154870	601046	602261	600945	157147	157147	162030	162010	162010	162010	162010	163731	163730	163730	163730	163730
M58549 154870	L23808	D85510	X76538	X75500	X75500	X52599	M14764	M14764	M14764	M14764	U17327 163731	X73029	X73029	X73029	X73029
MGP	MMP12	MMP2	MPV17	MTP .	MTP	NGFB	NGFR	NGFR	NGFR	NGFR	NOS1	NOSZA	NOS2A	NOS2A	NOS2A

S608L	S608L	G688S	00000	20000	D705G	בייטלט	3	ဟ	Ø	C	n	Ø	00000	9666	R933G		တ	Ø	•	က	•	n	က		က	ı	c C	ĸ	16227	
1823C>T	1823C>T	2062G>A	206205	Z00707	2114A>G	2114A>G	0	2358T>C	2358T>C	0	ZI3/A>G	2757A>G	0.07070	5/3/6/3	2797C>G		2826C>T	2826C>T		3468T>C	;	34681×C	3490G>A		3490G>A	0	(-506)A>G	(-337)C>A	2335G>A	
2048	2048	2287	7966	1077	2339	2330		2583	2583	0	7067	2982	3000	3022	3022		3051	3051		3693	0	3693	3715		3715	č	١77	390	2632	1
H.saplens mRNA for nitric	oxide synthase H.saplens mRNA for nitric	oxide synthase H.sapiens mRNA for nitric	oxide synthase		H.sapiens mRNA for nitric	oxide synthase		H.sapiens mRNA for nitric	oxide synthase H.sapiens mRNA for nitric		n.sapiens mixing for mine	H.sapiens mRNA for nitric	oxide synthase	oxide synthase	H.sapiens mRNA for nitric	oxide synthase	H.saplens mRNA for nitric	oxide synthase H.sapiens mRNA for nitric		H.sapiens mRNA for nitric		H.sapiens mKNA for nitric	H.sapiens mRNA for nitric		H.saplens mRNA for nitric		Human N-ras mKNA and	flanking regions Human N-ras mRNA and	flanking regions	
GEN	GEN-	3LW GEN-	3LW	3LW	GEN-	3LW TR	3LW	GEN	3LW GEN-	3LW	- N :	GEN	3LW	31.8	GEN	3LW	GEN-	3LW GEN-	3LW	GEN-	אר אר	- - - - - - - - - - - - - - - - - - -	GEN-	3LW	GEN-	35%	GEN-XG	GEN-XG	GFN.	i)
163730	163730	163730	163730	200	163730	163730		163730	163730	000	05/501	163730	163730		163730		163730	163730		163730	1	163/30	163730		163730	1	164790	164790	191315	2
X73029	X73029	X73029	X73030	670614	X73029	X73029		X73029	X73029	21	V 2028	X73029	V73030	A1 3023	X73029		X73029	X73029		X73029	000	X/3029	X73029		X73029	1	X02/31	X02751	X66397	
NOS2A	NOS2A	NOS2A	ACOON ACCOON	V250N	NOSZA	ACSON.		NOSZA	NOSZA	000	NOSCA NOSCA	NOS2A	VCOCIA	V200V	NOS2A		NOS2A	NOSZA		NOS2A	000	NOSZA	NOSZA		NOS2A		NKAS	NRAS	NTRK1	

	S70N	ဟ	တ	ဟ	က	ட	S	S152A	ဟ	ဟ	ဟ	က	က	က	ო	ო
	209G>A	573C>T	1458C>T	1488G>C	(-265)T>G	322C>T	408C>T	454T>G	:183C>T	1476C>T	1851C>G	2509T>C	2639C>A	2772G>A	3018C>T	3409A>G
	364	728	1613	1643	216	805	888	934	399	1692	2067	2725	2855	2988	3234	3625
	Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds	Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds	Human receptor tyrosine kinase TrkC (NTRK3) mRNA, complete cds	Human receptor tyrosine kinase TrkC (NTRK3) mRNA complete cds	Human oxysterol-binding protein (OSBP) mRNA, complete cds	Human oxysterol-binding protein (OSBP) mRNA,	Human oxysterol-binding protein (OSBP) mRNA,	Human oxysterol-binding protein (OSBP) mRNA, complete cds	Human fur mRNA for furin							
3GN	GEN- 16V	GEN- 16V	GEN- 16V	GEN-	GEN-425	GEN-425	GEN-425	GEN-425	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-	GEN- 12V	GEN-
	191316	191316	191316	191316	167040	167040	167040	167040	136950	136950	136950	136950	136950	136950	136950	136950
	U05012 191316	U05012	U05012	U05012	M86917 167040	M86917	M86917	M86917	X17094							
	NTRK3	NTRK3	NTRK3	NTRK3	OSBP	OSBP	OSBP	OSBP	PACE							

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	3667C>T	3837A>G	2995T>A	3342A>G	307C>T	1353C>T	2181C>T	2874G>T	3859C>T	1102G>A	795A>G	1283C>T	1362G>A
	3883	4053	3183	3530	699	1391	2219	2912	3897	1223	849	1337	1416
	Human fur mRNA for furin	Human fur mRNA for furin	Human peptidylglycine alpha-amidating monooxygenase mRNA,	Human peptidylglydne alpha-amidating monooxygenase mRNA,	H.sapiens oculorhombin (aniridia) mRNA, complete	Humah pyruvate carboxylase (PC) mRNA, complete cds	Human pyruvate carboxylase (PC) mRNA, complete cds	Human pyruvate carboxylase (PC) mRNA, complete cds	Human pyruvate carboxylase (PC) mRNA, complete cds	Homo sapiens (clone lamda-hPEC-3) phosphoenolpyruvate carboxykinase (CKX1) mRNA. complete cds	Human mRNA for brain pyruvate dehydrogenase	Human mRNA for brain pyruvate dehydrogenase	Human mRNA for brain pyruvate dehydrogenase (EC 1.2.4.1)
	GEN-	GEN-	GEN- 20K	GEN- 20K	GEN- 30G	GEN-150	GEN-150	GEN-150	GEN-150	GEN-172	. GEN-	GEN- 33Y	GEN- 33Y
	136950	136950	170270	170270	106210	266150	266150	266150	266150	261680	312170	312170	312170
	X17094	X17094	M37721	M37721	M77844	U04641	U04641	U04641	U04641	L05144	X52709	X52709	X52709
	PACE	PACE	PAM ,	PAM .	PAX6	PC	S	S S	S	PCK1	PDHA1	PDHA1	PDHA1

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2T>C	177T>C	.750C>T	862C>G	914G>T	1062C>G	646G>T	92C>T	390T>C	1051T>G	1125C>T	1363G>A	37G>A	58G>A	6569A>G
0	215	788	006	952	1155	646	95	390	1051	1125	1363	975	966	6838
Human molecular marker (EPC-1) gene, complete cds	Human molecular marker (EPC-1) gene, complete cds	Human phosphorylase kinase (PSK-C3) mRNA, complete cds	Pancreatic lipase (PNLIP) (Dietary supplement)	Adrenocorticotropic hormone (ACTH)	Prolyl Endopeptidase	Prolyl Endopeptidase	Prolyl Endopeptidase	Prolyl Endopeptidase	Human, parathyroid-like protein (associated with humoral hypercalcemia of malignancy) mRNA, complete cds	Human, parathyroid-like protein (associated with humoral hypercalcemia of malignancy) mRNA, complete cds	Human mRNA for LCA-			
GEN- 46E	GEN- 46E	GEN- 46E	GEN- 46E	GEN- 46E	GEN- 2H7	GEN-	GEN-	GEN-	GEN- 3N8	GEN-	GEN-	110 110	GEN-	GEN-UH
172860	172860	172860	172860	172860	172471	246600	176830	600400	600400	600400	600400	168470	168470	179590
M90439 172860	M90439	M90439	M90439	M90439	M31606	M93285	M28636	X74496	X74496	X74496	X74496	J03580	J03580	Y00815
PEDF	PEDF	PEDF	PEDF	PEDF	PHKG2	PNLIP	POMC	PREP	PREP	PREP	PREP	РТНГН	РТНГН	PTPRF

	ဟ	ω	ო	ო	ო	က	ო	R234S	ო	ო	က	ო	ო	K211R
	639C>T	2370G>A	2633C>G	3267C>T	3565G>A	3608G>A	3691G>A	702G>C	1108C>G	487T>C	1948C>T	1993C>A	2163G>A	.632A>G
	718	2449	2712	3346	3644	3687	3770	702	1108	486	1947	1992	2193	699
homolog. LAR protein	(leukocyte antigen related) Human brain glycogen phosphorylase mRNA, comolete cds	Human brain glycogen phosphorylase mRNA,	Human brain glycogen phosphorylase mRNA,	Human brain glycogen phosphorylase mRNA, complete cds	Human brain glycogen phosphorylase mRNA, complete cds	Human brain glycogen phosphorylase mRNA,	Human brain glycogen phosphorylase mRNA,	Human liver glycogen phosphorylase type IV mRNA 3 end	Human liver glycogen phosphorylase type IV mRNA 3 end	Human mRNA fragment for activated c-raf-1 (exons 8-	Human mRNA fragment for activated c-raf-1 (exons 8-	Human mRNA fragment activated c-raf-1 (exons	D10S102=FBRNP [human, fetal brain mRNA 3043 nt]	ACAT2
	GEN-11L	GEN-11L	GEN-11L	GEN-11L	GEN-11L	GEN-11L	GEN-11L	GEN- 2NJ	GEN- 2NJ	GEN- 19K	GEN- 19K	GEN- 19K	GEN-	GEN-GY
	138550	138550	138550	138550	138550	138550	138550	232700	232700	164760	164760	164760	601233	100678
	J03544	J03544	J03544	J03544	J03544	J03544	J03544	M36807	M36807	X06409	X06409	X06409	S63912	S70154
	PYGB	PYGB	PYGB	PYGB	PYGB	PYGB	PYGB	PYGL	PYGL	RAF1	RAF1	RAF1	S63912	S70154

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783T>C	783T>C	819G>A	819G>A	1351T>G	1358-	1362CTTTA>	1358-	1362delCTTT	128202	1382C>A	908 0	-	2216C>T		2377T>G	40C>G		47T>C		194C>A		245T>C		465C>T		716A>T		1106T>C	
820	820	856	856	1388	1395		1395		1410	1419	134		2226		2377	44		51		198		249		909		857		1247	
ACAT2	ACAT2	ACAT2	ACAT2	ACAT2	ACAT2		ACAT2	*	CTACA	ACAT2	cellular retinoic acid-	binding protein [human, skin_mRNA_735 ntl	Human Na+/glucose	cotransporter 1 mRNA, complete cds	Calcium-activated	Human mRNA for	manganese superoxide	Human mRNA for	manganese superoxide dismutase (EC 1.15.1.1)	Human mRNA for	manganese superoxide dismutase (EC 1.15.1.1)	Human mRNA for	dismutase (EC 1.15.1.1)	Homo sapiens sorbitol	dehydrogenase gene, complete cds	Homo sapiens sorbitol	dehydrogenase gene,	Homo sapiens sorbitol	
GEN-GY	GEN-GY	GEN-GY	GEN-GY	GEN-GY	GEN-GY		GEN-GY		> 0	GEN-GY	GEN	3N7	GEN-	. 28S	GEN-XA	G NT S	1ES	GEN-	1ES	GEN-	1ES	GEN-	ក្ន	GEN-	10R	GEN-	10R	GEN	
100678	100678	100678	100678	100678	100678		100678		100678	100678	180230		182380.		600150	147460		147460		147460	•	147460		182500		182500		182500	
S70154	S70154	S70154	S70154	S70154	S70154		S70154		670154	S70154	S74445		M24847		U02632	X07834		X07834		X07834		X07834		U07361		U07361		U07361 182500	
S70154	S70154	S70154	S70154	S70154	S70154		570154		670454	S70154	S74445		SLC5A1		SLO	2008		SOD2		SOD2		SOD2		SORD		SORD		SORD	

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	က	15F	ဟ	V43L	R168G	က	ო	က	က	භ	ო	ю	က
	1134T>G	13A>T		. 127G>T	502C>G	9410>G	1126C>G	1356G>A	1494C>G	1865G>T	2015T>C	2035A>G	2047A>C
	1275	2	123	184	559	866	1183	1413	1551	1922	2072	2092	2104
dehydrogenase gene,	Homo sapiens sorbitol dehydrogenase gene, complete cds	SPARC/osteonectin mRNA, complete cds	Human SPARC/osteonectin mRNA complete cds	Human SPARC/osteonectin mRNA complete cds	Human SPARC/osteonectin mRNA, complete cds	Human SPARC/osteonectin mRNA, complete cds	Human SPARC/osteonectin mRNA. complete cds	Human SPARC/osteonectin mRNA, complete cds	SPARC/osteonectin mRNA, complete cds	Human SPARC/osteonectin mRNA, complete cds	Human SPARC/osteonectin mRNA complete cds	SPARC/osteonectin	Human SPARC/osteonectin mRNA, complete cds
10R	GEN- 1DR	GEN-2C	GEN-ZC	GEN-2C	GEN-ZC	GEN-ZC	GEN-ZC	GEN-ZC	GEN-ZC	GEN-ZC	GEN-ZC	GEN-ZC	GEN-ZC
	U07361 182500	J03040 182120	J03040 182120	J03040 182120	J03040 182120	J03040 182120	J03040 182120	J03040 182120	J03040 182120	J03040 182120	J03040 182120	J03040 182120	182120
	U07361	J03040	J03040	J03040	J03040	J03040	J03040	J03040	J03040	J03040	J03040	J03040	J03040 182120
	SORD	SPARC	SPARC	SPARC	SPARC	SPARC	SPARC	SPARC	SPARC	SPARC	SPARC	SPARC	SPARC

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282T>C	750C>T	902G>A	1083A>G	1239A>C	2352A>G	1313C>T			571G>A	909G>T		1306C>T	624G>A		738C>G	1417G>T	1572G>C		1602C>T	1765C>T	1710A>C	3618G>C
349	817	696	1150	1306	2379	1439			901	1239		1325	654		768	1447	1602		1632	1795	2045	3966
Human mRNA for	osteopontin Human mRNA for	Human mRNA for	Human mRNA for	osteopontin Human mRNA for	osteopontin Human steroid 5-alpha-	reductase 2 (SRD5A2) mRNA, complete cds Human steroidocenic	acute regulatory protein (StAR) mRNA, complete	cqs	Human thyroxine-binding globulin mRNA, complete cds	Human thyroxine-binding globulin mRNA, complete	spo	H.sapiens HNF4 mRNA for hepatocyte purchase factor 4	Human transferrin mRNA,	complete cds	Human transferrin mRNA,	complete cds Human transferrin mRNA,	complete cds Human transferrin mRNA.	complete cds	Human transferrin mKNA,	Complete cos Human transferrin mRNA,	Complete cds Human TGF-beta type II	cds Human transforming
GEN	GEN-	GEN-	GEN	GEN-	GEN-	CDC			0.00 1000	GEN- 100		GEN-	GEN-	<u>₹</u>	GEN	GEN-	GEN-	¥ €	5 EFS	GEN-	GEN-	275 - B
166490	166490	166490	166490	166490	264600	600617			314200	314200		600281	190000	000	190000	190000	190000	0000	190000	190000	190182	600742
X13694	X13694	X13694	X13694	X13694	M74047	111280 600617			M14091	M14091		X76930	M12530		M12530	M12530	M12530		M12530	M12530	M85079	L07594
SPP1	SPP1	SPP1	SPP1	SPP1	SRD5A2	STAR			TBG	TBG		TCF14	Ħ	ļ	<u>L</u>	<u>ተ</u>	¥	ļ	<u>+</u>	. TF	TGFBR2	TGFBR3

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	3817G>A	972G>A	2040G>A	2159G>A	2276G>A	2309G>A	152A>G	928A>G	1129C>T	1408C>T	2799G>A	122A>C	375G>A	775C>G
	3983	1089	2556	2675	2792	2825	303	1079	1280	1559	2964	149	402	802
growth factor-beta type III receptor (TGF-beta)	mRNA, complete cds Human SREBP-1 mRNA,	Human sterot regulatory element binding protein-2	Carnitine Carnitine Palmitov/transferase II	Carnitine Carnitine Palmitovltransferase II	Carnitos/Itransforase II	Palmicoylitansierase II Carnitine Dolmitoylitansfattor II	Human protein kinase (JNK2) mRNA, complete	Human protein kinase (JNK2) mRNA, complete	Human protein kinase (JNK2) mRNA, complete	Human protein kinase (JNK2) mRNA, complete	Transcription Factor IL-4	Human peroxisomal enoyl- CoA hydratase-like protein (HPXEL) mRNA, complete	Human peroxisomal enoyl- CoA hydratase-like protein (HPXEL) mRNA, complete	Human peroxisomal enoyl- CoA hydratase-like protein (HPXEL) mRNA, complete
Ā	GEN-UU	GEN-WD	GEN-11	GEN-11	GEN-11	GEN-11	GEN- 1HA	GEN- 1HA	GEN- 1HA	GEN-	GEN-HX	GEN- 1YD	GEN- 1YD	GEN- 1YD
	184756	600481	600650	600650	600650	600650	602896	602896	602896	602896	None	969009	969009	969009
	000968	U02031	U09648	U09648	U09648	U09648	U09759	U09759	U09759	009759	U16031	U16660	U16660	U16660
	000968	U02031	U09648	U09648	U09648	U09648	U09759	U09759	U09759	U09759	U16031	U16660	U16660	U16660

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1130G>A		688G>A	(-1204)G>A	(-1037)G>A	(-682)T>C	1389T>G	1680C>T	335C>T	386T>C	1069C>T	1340C>T	1443T>C	159C>T	585T>C	585T>C	936T>C	936T>C	1458- 1460TAT>TA T	1458-	1460delTAT	2534^2535ins CA	927G>A
1157	į	731	70	237	592	2662	2953	335	386	1069	1412	1515	407	833	833	1184	1184	1706	1706		2782	991
cds Human peroxisomal enoyl-	(HPXEL) mRNA, complete cds	Human MAP kinase Mxi2 (MXI2) mRNA, complete cds	Phosphofructokinase, muscle	Phosphofructokinase, muscle	Phosphofructokinase, muscle	Phosphofructokinase,	Phosphofructokinase, muscle	Glucocorticold receptor	Glucocorticold receptor	aipna Glucocorticoid receptor	apha Calcitonin Réceptor	Calcitonin Receptor	Neuropeptide Y2	Neuropeptide Y2		Neuropeptide Y2	Human tryptophan oxygenase (TDO) mRNA,					
GEN-	ת אַר מאָר (GEN- 22C	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19	GEN-82	GEN-82	GEN-82	GEN-66	GEN-66	GEN-1P	GEN-1P	GEN-1P	GEN-1P	GEN-1P	GEN-1P	GEN-1P		GEN-1P	GEN- 2JH
969009		600289	232800	232800	232800	232800	232800	138040	138040	138040	114131	114131	162642	162642	162642	162642	162642	162642	162642		162642	191070
U16660 600696		019775	U24183	U24183	U24183	U24183	U24183	U25029	U25029	U25029	U26553	U26553	U32500	U32500	U32500	U32500	U32500	U32500	U32500		U32500	U32989
U16660		U19775	U24183	U24183	U24183	U24183	U24183	U25029	U25029	U25029	U26553	U26553	U32500	U32500	U32500	U32500	U32500	U32500	U32500		U32500	U32989

P600H	E50K	K77Q	K86N	P94S	T2111	A305E	တ	T774M	P892S	P8S	Ø	v	တ	S	တ	G187A	P188Q	တ	Ġ	ဟ
1799C>A	148G>A	229A>C	258A>T	280C>T	632C>T	914C>A	1455G>A	2321C>T	2674C>T	22C>T	1128C>T	484T>C	486A>G	489A>G	492G>A	260G>C	563C>A	993G>A	1053T>C	1056G>A
2076	382	285	314	336	688	970	1511	2377	2730	22	1499	494	496	499	505	220	573	1003	1063	1066
complete cds Human hormone-sensitive lipase testicular isoform	Human serotonin N-acetyltransferase mRNA,	Steroid receptor	coactivator (SRC-1) Steroid receptor	Steroid receptor	Steroid receptor	Human membrane-type matrix metalloproteinase-1	nrkhy, complete cos Human vascular endothelial growth factor related protein VRP	mRNA, complete cds	Transcription Factor Stat5b											
GEN- 2RH	GEN- 2RK	GEN-6W	GEN-6W	GEN-6W	GEN-6W	GEN-6W	GEN-6W	GEN-6W	GEN-6W	GEN- 2SU	GEN- 2UM	AI.	GEN-JA							
U40002 151750	600950	602691	602691	602691	602691	602691	602691	602691	602691	600754	601528	601511	601511	601511	601511	601511	601511	601511	601511	601511
U40002	U40347	U40396	U40396	U40396	U40396	U40396	U40396	U40396	U40396	U41078	U43142	1148730	U48730							
U40002	U40347	U40396	U40396	U40396	U40396	. U40396	U40396	U40396	U40396	U41078	U43142	0.67871	U48730							

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	1095C>T	1149C>T	1959C>T	2187A>C	2219A>G	3295G>C	- 0	3486C>T		1089C>1		1272G>A		1595C>T	1844A>C		164C>T			515T>C		259C>A	484G>T	570G>A	637delA		652G>A	i(-7)C>T	
	1105	1159	1969	2915	2947	3356		3547	!	1248		1425		1595	1844		164			565		299	524	574	822	;	837	20	
e te	Transcription Factor Stat5b	Transcription Factor Stat5b	Transcription Factor Stat5b	Serotonin 5-HT receptors 5-HT2C	Serotonin 5-HT receptors 5-HT2C	Human oxytocinase splice variant 1 mRNA, complete	cds	Human oxytocinase splice variant 1 mRNA, complete	spo	Human FK506-binding protein FKBP51 mRNA,	complete cds	Human FK506-binding protein FKBP51 mRNA,	complete cds	Homo sapiens glycogenin- 2 delta (glycogenin-2) mRNA, partial cds	Homo sapiens glycogenin- 2 delta (glycogenin-2)	maina, partial cos	Human uncoupling protein- 2 (UCP2) mRNA, nuclear	gene encoding	mitochondrial protein, complete cds	Human messenger RNA	for chorionic gonadotropin	Growth hormone 1	Growth hormone 1	Prolactin	corticotropin releasing	factor	corticotropin releasing	Human heparin-binding	2 T
	GEN-JA	GEN-JA	GEN-JA	GEN-10	GEN-1Q	GEN- 3CR	į	SCR.	i	SEN-		GEN- 2TW		GEN-498	GEN-498		S S S S			GEN-P4		GEN-40	GEN-40	GEN-4V	GEN-	CBO	GEN-	GEN-2JF	
	601511	601511	601511	312861	312861	151300		151300		602623		602623		None	None		601693			118850		139250	139250	176760	122560		122560	192240	
	U48730	U48730	U48730	U49516	U49516	U62768		U62768		U71321		U71321		U94357	U94357		U76367			V00518		V00519	V00519	V00566	V00571		V00571	M32977	
	U48730	U48730	U48730	U49516	U49516	U62768		U62768		U71321		U71321		U94357	U94357		UCP2			V00518		V00519	V00519	V00566	V00571		V00571	VEGF	,

vascular endothelial growth

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	36C>T	(-56)C>T	3175T>C	1016G>C	1034C>A	70C>A	550A>C	29C>T		138C>G	791C>T	966C>T	1089G>A	1101C>T	1172G>A
	95	336	3566	1015	1033	20	614	870	į	979	1632	1807	1930	1942	2013
factor (VEGF) mRNA,	Human heparin-binding vascular endothelial growth factor (VEGF) mRNA, complete cds	Human very low density lipoprotein receptor mRNA, complete cds	Human very low density lipoprotein receptor mRNA, complete cds	Human beta-LH gene (luteinizing hormone gene beta subunit)	Human beta-LH gene (Iuteinizing hormone gene beta subunit)	Apolipoprotein C-li	Superoxide dismutase 1 (Cu/Zn)	Human mRNA for	beta (TGF-beta)	Human mRNA for transforming growth factor- beta (TGF-beta)	Human mRNA for transforming growth factor-heta (TGE-heta)	Human mRNA for transforming growth factor-beta (TGE-beta)	Human mRNA for transforming growth factor- beta (TGF-beta)	Human mRNA for transforming growth factor-	Human mRNA for
,	GEN-2JF	GEN- 23D	GEN- 23D	· GEN-	GEN- CC2	GEN-6Z	GEN-KM	GEN-XR		GEN-XR	GEN-XR	GEN-XR	GEN-XR	GEN-XR	GEN-XR
		192977	192977	152780	152780	207750	147450	190180		190180	190180	190180	190180	190180	X02812 190180
	M32977 192240	L20470	L20470	X00264	X00264	X00568	X02317	X02812		X02812	X02812	X02812	X02812	X02812	X02812
	VEGF	VLDLR	VLDLR	X00264	X00264	X00568	X02317	X02812		X02812	X02812	X02812	X02812	X02812	X02812

V119G	တ	S	E22Q	A86V	တ	ш	တ	တ	V364E	M4381	တ	ღ	က	က	က	က	က		က		က	က	က	ဟ		('n		00100	2
356T>G	30T>C	30T>C	64G>C	257C>T	261G>C	469C>T	975C>G	975C>G	1091T>A	1314G>A	1782A>G	1994A>G	2190A>C	2373C>G	2821T>C	2978C>T	3292-	3294CCT>CC T	3292-	3294delCC1	3536C>A	4018T>C	5927T>C	351C>T		1	513C>1		V / C 2 3 0	() () () ()
379	390	390	424	617	621	829	1335	1335	1451	1674	2142	2354	2550	2733	3181	3338	3652	89	3652		3896	4378	6287	363			222		730	106
transforming growth factor- beta (TGF-beta) Human mRNA for	estrogen receptors	estrogen.receptors	estrogen receptors	legion de	estrogen receptors	:	estrogen receptors	estrogen receptors	estrogen receptors	Guanine nucleotide binding	protein (G protein), alpha stimulating activity	polypeptide 1	Guanine nucleotide binding protein (G protein), alpha	stimulating activity	polypeptide 1	GEN-70, Guarinie nucleolude birluing protein (G protein), alpha														
GEN-ZM	GEN-50	GEN-50	GEN-20	GEN-20	GEN-50	GEN-50	GEN-50	GEN-20	GEN-50	GEN-50	GEN-20	GEN-50	GEN-50	GEN-50	GEN-50	GEN-50	GEN-50		GEN-50		GEN-20	GEN-50	GEN-20	GEN-7Q			GEN-7Q		7	ל-אבוס פרוא-זי
192340	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430		133430		133430	133430	133430	139320			139320		00000	138320
X03172 192340	X03635		X03635		X03635	X03635	X03635	X04409			X04409		2000	X04409 139320																
X03172	X03635		X03635		X03635	X03635	X03635	X04409			X04409		204400	X04409																

1011C>A S	1071C>T S	12017>G 3	1438A>C 3	995T>C 1332T	330C>T S	771C>T S	942C>T S	1083A>G S	1431C>T S	2286T>G S	2478G>A 3	2552T>G 3	1581C>G 3	1701C>T 3	
1023	1083	1213	1450	1295	384	825	966	1137	1485	2340	2532	2606	1583	1703	
stimulating activity polypeptide 1 Guanine nucleotide binding protein (G protein), alpha stimulating activity	Guanine nucleotide binding protein (G protein), alpha stimulating activity	polypeptide 1 Guanine nucleotide binding protein (G protein), alpha stimulating activity	Guanine nucleotide binding protein (G protein), alpha stimulating activity	Human c-erb-A mRNA for	Inyroid normone receptor Human mRNA for	plasminogen Human mRNA for	piasminogen Human mRNA for	plasminogen Human mRNA for	Plasminogen Human mRNA for	canepsin D from oestrogen responsive breast cancer cells Human mRNA for					
GEN-7Q	GEN-70	GEN-70	GEN-7Q	GEN-	GEN-PU	GEN-PU	GEN-PU	GEN-PU	GEN-PU	GEN-PU	GEN-PU	GEN-PU	GEN-PW	GEN-PW	
139320	139320	139320	139320	190160	173350	173350	173350	173350	173350	173350	173350	173350	116840	116840	
X04409	X04409	X04409	X04409	X04707	X05199	X05199	X05199	X05199	X05199	X05199	X05199	X05199	X05344	X05344 116840	
X04409	X04409	X04409	X04409	X04707	X05199	X05199	X05199	X05199	X05199	X05199	X05199	X05199	X05344	X05344	

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1752G>A	1796A>C	1835A>C	1899C>T	1973T>G	5904G>A	7586G>A	7663G>T	(-54)G>C	1191T>C	1770C>T	4102G>A	244T>C
1754	1798	1837	1901	1975	5945	7627	7704	83	1327	1906 3392	4145	276
cathepsin D from oestrogen responsive breast cancer cells Human mRNA for cathepsin D from	oestrogen responsive breast cancer cells Human mRNA for	oestrogen responsive breast cancer cells Human mRNA for cathepsin D from	oestrogen responsive breast cancer cells Human mRNA for cathepsin D from	breast cancer cells Human mRNA for cathepsin D from	oestrogen responsive breast cancer cells Human mRNA for thyroglobulin	Human mRNA for thyroglobulin	Human mRNA for thyroglobulin Human mRNA for	thyroglobulin Protein kinase C, beta 1	Protein kinase C, beta 1	Protein kinase C, beta 1	Growth hormone receptor	Human mRNA for cathepsin H (E.C.3.4.22.16.)
GEN-PW	GEN-PW	GEN-PW	GEN-PW	GEN-PW	GEN-188	GEN-188	GEN-188 GEN-188	GEN-KY	GEN-KY	GEN-KY	GEN-6D	GEN- 1DZ
	116840	116840	116840	116840	188450	188450	188450 188450	176970	176970	176970	600946	116820
X05344 116840	X05344 116840	X05344	X05344 116840	X05344 116840	X05615	X05615	X05615 X05615	X06318	X06318 X06318	X06318	X06562	X07549
X05344	X05344	X05344	X05344	X05344	X05615	X05615	X05615 X05615	X06318	X06318	X06318	X06562	X07549

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632G>A	974G>A	997G>A	240A>G	790C>T	790C>T	1531C>T	1672G>T	836G>A	1140G>T	1257^1258ins CTGT	1170T>C	1209C>T	2339C>T
664	1006	1029	364	914	914	1655	1796	881	1185	1302	1636	1675	2805
Human mRNA for cathepsin H	Human mRNA for cathepsin H	Human mRNA for cathepsin H	Cytochrome P450, subfamily XIX (aromatization of androgens)	Cytochrome 9450, subfamily XIX (aromatization of androdens)	Cytochrome 9450, subfamily XIX (aromatization of androdens)	Cytochrome P450, subfamily XIX (aromatization of androsens)	Cytochrome P450, subfamily XIX (aromatization of androiens)	Human intestinal mRNA for apolipoprotein A-IV	Human intestinal mRNA for apolipoprotein A-IV	Human Intestinal mRNA for apolipoprotein A-IV	Human mRNA for LDL- receptor related protein	Human mRNA for LDL- receptor related protein	Human mRNA for LDL- receptor related protein
GEN- 1DZ	GEN- 1DZ	GEN- 1DZ	GEN-56	GEN-56	GEN-56	GEN-56	GEN-56	GEN- 00-	GEN-	GEN- 100	GEN TO	GEN-	GEN-
116820	116820	116820	X13589 107910	107910	107910	X13589 107910	107910	107690	107690	107690	107770	107770	107770
X07549 116820	X07549	X07549	X13589	X13589	X13589	X13589	X13589	X13629	X13629	X13629	X13916	X13916	X13916
X07549	X07549	X07549	X13589	X13589	X13589	X13589	X13589	X13629	X13629	X13629	X13916	X13916	X13916

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3387T>C	5977C>T	6570C>T	8142G>A	8457C>T	8568G>T	8574C>T	8925T>C	1023G>C	1814C>T		2816G>A			3216delC		3546^3547ins GAAA	5	423G>A	939C>T	957T>C	1083A>G
3853	6443	7036	8098	8923	9034	9040	9391	1066	1857	3	2859	2083		3259		3589 3		588	1104	1122	1248
Human mRNA for LDL-	receptor related protein Human mRNA for LDL-	Human mRNA for LDL-	Human mRNA for LDL-	receptor related protein Human mRNA for LDL-	receptor related protein Human mRNA for LDL-	receptor related protein Human mRNA for LDL-	receptor related protein Human mRNA for LDL-	receptor related protein Human mRNA for	natriuretic peptide receptor (ANP-A receptor) Human mRNA for	natriuretic peptide receptor	Human mRNA for	(ANP-A receptor) (ANP-A receptor)	natriuretic peptide receptor	Human mRNA for	namurenc pepinde receptor (ANP-A receptor)	Human mRNA for natriuretic peptide receptor	(ANP-A receptor)	Dopamine Receptor D2	Dopamine Receptor D2	Dopamine Receptor D2	Dopamine Receptor D2
GEN-		S E S	GEN-	GEN-	6 E ₹	GEN- 101	6. 10.	<u>δ</u>	XUX BR	Ϋ́	GEN-	ברים מי	Ϋ́	GEN-	Š	GEN-		GEN-	SES.	GEN-	GEN-
X13916 107770	107770	107770	107770	107770	107770	107770	107770	108960	108960		108960	108960		108960		108960		126450	126450	126450	126450
X13916	X13916	X13916	X13916	X13916	X13916	X13916	X13916	X15357	X15357		X15357	X15357		X15357		X15357		X51362	X51362	X51362	X51362
X13916	X13916	X13916	X13916	X13916	X13916	X13916	X13916	X15357	X15357		X15357	X15357		X15357		X15357		X51362	X51362	X51362	X51362

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1323T>C	1383A>G	2196C>T	2222G>A	1669G>A	27A>G		1057G>A	71G>A	156G>T	359C>T	2043T>G	1506C>T		2704G>A	1152T>C	1389T>C		21T>C	201C>T	1345T>C	
1488	1548	2361	2285	1744	493		1523	95	177	380	2339	1516		2714	1331	1563		112	292	1436	
Dopamine Recentor D2	Dopamine Receptor D2	Dopamine Receptor D2	STEROID HORMONE	RECEPTOR ERR1 Retinoid X receptor, alpha	Human c-erbA-1 mRNA for	alpha	Human c-erbA-1 mRNA for thyroid hormone receptor	A.sapiens ttr mRNA for	rransmyretin H.sapiens ttr.mRNA for	transthyretin H.sapiens ttr mRNA for	transthyretin Human PBX2 mRNA	H.sapiens UGT2BIO	mRNA for udp	glucuronosymansterase H.sapiens UGT2BIO mRNA for udo	glucuronosyltransferase MHC class I promoter	binding protein H.sapiens mRNA for	parathyroid hormone receptor	H.sapiens mRNA for	squalene synthase H.saplens mRNA for	squalene synthase H.sapiens mRNA for squalene synthase	
31W GEN-	31W GEN-	31W GEN-	31W GEN-57	GEN-74	GEN-		35S	GEN-RU	GEN-RU	GEN-RU	GEN.	3A3 GEN-	300	GEN- 3DC	GEN-75	GEN-31J		GEN-3J9	GEN-3J9	GEN-3J9	
126450	126450	126450	601998	180245	190120	9	190120	176300	176300	176300	600214	600070		020009	180246	168468		184420	184420	184420	
X51362	X51362	X51362	X51416	X52773	X55005	1	X22005	X59498	X59498	X59498	X59842	X63359		X63359	X63522	X68596		X69141	X69141	X69141	
X51362	X51362	X51362	X51416	X52773	X55005		X55005	X59498	X59498	X59498	X59842	X63359		X63359	X63522	X68596		X69141	X69141	X69141	

X69141			H.sapiens mRNA for squalene synthase	1579	1488T>C	ო (
<u> </u>	184420	GEN-339	H.sapiens mRNA for squalene synthase	1621	1530C>T	თ ი
709141	184420	855-NII 5	n.sapiens mkivA jor squalene synthase	<u> </u>	7540701	า
X69141	184420	GEN-339	H.sapiens mRNA for squadene synthase	1904	1813G>C	က
66969X	167415	GEN-	H.sapiens Pax8 mRNA	1412	1413G>C	က
66969X	167415	GEN-	H.sapiens Pax8 mRNA	2164	2165T>G	က
66969X	167415	GEN- 3JS	H.saplens Pax8 mRNA	2508	2509T>C	က
66969X	167415	GEN-	H.sapiens Pax8 mRNA	2514	2515A>C	က
66969X	167415	GEN-	H.sapiens Pax8 mRNA	2552	2553A>C	ო
X70811	109691	GEN-	beta-3-adrenergic receptor	315	190T>C	W64R
X70811	109691	GEN-	beta-3-adrenergic receptor	315	190T>C	W64R
X71440	None	GEN- 3KS	H.saplens mRNA for peroxisomal acyl-CoA	949	936G>C	M312I
X75958	600456	GEN-	H.sapiens trkB mRNA for	30	0-0(89-)	2
X75958	600456	GEN-	H.sapiens trkB mRNA for	2010	1913A>G	ю
X75958	600456	GEN-	H.sapiens trkB mRNA for	2101	2004C>T	က
X76180	600228	GEN-N5	Solute carrier family 9	1901	1802G>A	G601D
			(sodium/hydrogen exchanger), isoform 1 (antiporter, Na+/H+, amiloride sensitive)			
X77383	600550	GEN-	H.sapiens mRNA for	1595	1546C>T	က
X77533	602730	GEN-	H.sapiens mRNA for	1462	1458C>T	Ø
X78873	601792	GEN	H.sapiens mRNA for	538	535G>A	D179N
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	809G>A	1254T>G		552G>A	1298A>G	3561C>T		285G>T	8376>0		1357A>G	1725A>C	1	16211>G	1428A>C		1302C>T			1842C>A		4466G>A	6224C>T	6666C>T	7003G>A	8538C>A	2145T>C	2173C>A	2540C>T	
	812	1287		635	1381	3884		318	870	2	1390	1758		1722	1494		1394			1934		4613	6371	6813	7150	8685	2185	2213	2580	
energy Carolididal	H.sapiens mRNA for	inhibitor 2 gene H.sapiens ERK6 mRNA for	extracellular signal	H.sapiens mRNA for	glycogenin H.sapiens mRNA for	glycogenin H sanions mRNA for	phosphatidylinositol 3	kinase gamma H.sapiens mRNA for	cathepsin C	cathepsin C	H.sapiens mRNA for	H.sapiens mRNA for	cathepsin C	H.sapiens mRNA for MMP-	H.sapiens mRNA for	phosphoenolpyruvate	carboxykinase H.saoiens mRNA for	Branched chain Acyl-CoA	Oxidase	H.sapiens mRNA for	Branched chain Acyl-CoA	IGF-2 receptor	Peroxidase (thyoid)	Peroxidase (thyoid)	Peroxidase (thyoid)					
000	GEN-	3RO GEN-	LPR	GEN-	3TA GEN-	3TA GEN.	3XX	GEN-	42U	42D	GEN-	GEN-	42U	GEN-480	GEN-484		GEN.	49∀		GEN-	49Y	GEN-6	GEN-61	GEN-61	GEN-61	GEN-61	GEN-6J	GEN-6J	GEN-6J	
	601792	602399		603942	603942	601232	201	602365	602365	2000	602365	602365	0	601807	261650		601641	!		601641		147280	147280	147280	147280	147280	274500	274500	274500	
	X78873	X79483		X79537	X79537	X83368	2000	X87212	X87212	717	X87212	X87212		X92521	X92720		X95190			X95190		Y00285	Y00285	Y00285	Y00285	Y00285	Y00406	Y00406	Y00406	
	X78873	X79483		X79537	X79537	YR1168	2000	X87212	X87212	7017	X87212	X87212		X92521	X92720		X95190			X95190		Y00285	Y00285	Y00285	Y00285	Y00285	Y00406	Y00406	Y00406	

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ო	K198N	တ	('n	S1693N		R2164K	S253N		တ		တ		A258V		C	n		,	က			ო			ဟ		,	က		۳	•		27.07	K541K	c	9	
2883C>G	594G>T	3561T>G	(3/38C>1	5078G>A		6491G>A	758G>A)	2295C>T		2808C>T		7/3C>1		0	828G>A			1292G>A			2178T>C			1224G>A		1	1415C>G		1708C>T			0	1622A>G		4 \) ? ?	
2923	846	3641		3818	5158		6571	954	3	2491		3004		922		1001	1001			1441			2327			1393		į	1584		1877	2		600	7791	1	/07	
Peroxidase (thyoid)	Endothelin 1	H.sapiens mRNA for	mosaic protein LR11	H.sapiens mKNA for mosaic protein LR11	H.saplens mRNA for	mosaic protein LR11	H.sapiens mRNA for	mosaic protein LR11	phosphoinositide 3-kinase	H.sapiens mRNA for	phosphoinositide 3-kinase	H.sapiens mRNA for	phosphoinositide 3-kinase	H.sapiens mRNA for	היים היים היים היים היים היים היים היים	protein alpha	H.sapiens mKNA for	CCAAT/enhancer binding	protein alpha	H.sapiens mRNA for	CCAAT/enhancer binding	protein alpha	H.sapiens mRNA for	CCAAT/enhancer binding	protein alpha	Homo sapiens mRNA for	putative glucose 6-	phosphate translocase	Homo sapiens mRNA for	putative glucose 6-	Homo capiene mBNA for	The contractive of the Grand	choenhate translocase	Picopilare rialisiones	Homo saplens ASIVIIL	elege :	h.saplens 40 kga protein kinase related to rat ERK2	
GEN-6J	GEN-P7	GEN-	TFX	2 7.7 7.7	GEN	4FK	GEN	JEK GEN-11C		GEN-11C		GEN-11C		GEN-		i	- L	1KR		GEN-	1KR		GEN	4 7 8		GEN	101		SEN.	101	n N	117	2	֡֝֞֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓		NIN (0EIX-1L1	
274500	131240	602005		602009	602005		602005	602839		602839		602839		116897		1000	116897			116897			116897			602671			602671		602674	-		1	None	7	170940	
Y00406	Y00749	Y08110		Y08110	Y08110		Y08110	V10055		Y10055		Y10055	;	Y11525			Y11525			Y11525			Y11525			Y15409		1	Y15409		V15400			100	125C1Y		C60117	
Y00406	Y00749	Y08110		Y08110	Y08110		Y08110	V40055		Y10055		Y10055		Y11525			Y11525			Y11525			Y11525			Y15409			Y15409		V15,400			700	125C1Y	1	C80117	

1150S 1385V	က	က			S	က	ო	ო	H690L	ო
449T>G 1153A>G	1388G>A	1620T>C	٠.		210T>C	14603T>G	15435G>A	1143G>A	2069A>T	2073A>T
449	1491	1723			215	14689	15521	1203	2137	2197
H.sapiens 44kDa proteln kinase related to rat ERK1 H.sapiens mRNA for	GicNac-1-P transferase H.saplens mRNA for	H.saplens mRNA for GlcNac-1-P transferase	e e e e e e e e e e e e e e e e e e e	description (1995) The first section (1995) The first section (1995)	Human mRNA for prepro cortistatin like peptide,	Homo sapiens mRNA for brain ryanodine receptor,	Homo sapiens mRNA for brain ryanodine receptor,	Human AQP3 gene for aquaporine 3 (water channel) narfall crea	Homo sapiens mRNA for ABC transporter 7 protein,	Homo sapiens mRNA for
GEN-1L0 GEN-	3WH GEN-	GEN-			GEN- 16N	GEN- 18S	GEN- 18S	GEN- KYP	GEN- KVU	GEN-W4
601795	191350	191350			602784	180903	180903	600170	300135	170290
Z11696 Z82022	282022	Z82022			AB00026 3	AB00102 AB00102 180903 5 5	AB00102 5	AB00132 5	AB00528 300135 9	AB00529
Z11696 Z82022	Z82022	Z82022	Table 17. Identified Variances In Genes for Pathways Identified in Endocrine	and Metabolic Disease and Related Disorders	AB00026 3	AB00102 5	AB00102 AB00102 180903 5 5	AB00132 5	AB00528 9	AB00529

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	534C>T	1010T>A		1012T>C	1012T>C		1740A>G		2138G>A		3854A>G		365C>T			381G>A		: 624A>G		641C>T		1161T>C		1	4350>1	1638G>A	2250G>A	
	1016	1071		1073	1073		1801		2199		3854		365			381		624		641		1161			242	1748	2360	
perilipin, complete cds	Homo sapiens gene for	Homo saplens mRNA for	fectin-like oxidized LDL receptor, complete cds	Homo sapiens mRNA for fectin-like oxidized LDL	receptor, complete cds Homo sapiens mRNA for	lectin-like oxidized LDL receptor, complete cds	Homo sapiens mRNA for lectin-like oxidized LDL	receptor, complete cds	Homo sapiens mRNA for fection like oxidized LDI	receptor, complete cds	Homo sapiens mRNA for	KIAA0873 protein, partial	PURINERGIC RECEPTOR	P2X, LIGAND-GATED ION	CHANNEL, 4; P2RX4	PURINERGIC RECEPTOR	P2X, LIGAND-GATED ION CHANNEL, 4; P2RX4	PURINERGIC RECEPTOR	P2X, LIGAND-GATED ION CHANNEL, 4: P2RX4	PURINERGIC RECEPTOR	P2X, LIGAND-GATED ION CHANNEL 4: P2RX4	PURINERGIC RECEPTOR	P2X, LIGAND-GATED ION	CIONINEL, 4, FEIVA	N+ channel (NVLQ11)	K+ channel (KvLQT1) 1748	K+ channel (KvLQT1) 2360	•
	GEN	GEN-	150	GEN- 1SQ	GEN-	18Q	GEN-		GEN-	5	GEN-	\{\{\}	GEN-16J			GEN-16J		GEN-16J		GEN-16J		GEN-16 J		(5 E	GEN	GEN-	-
	600130	602601		602601	602601		602601		602601		None		600846			600846		600846		600846		600846			192500	192500	192500	
9	AB00942 6	AB01071	0	AB01071 0	AB01071	0	AB01071 0		AB01071	•	AB02068	0	AF000234 AF000234 600846			AF000234 600846		AF000234		AF000234 AF000234 600846	٠	AF000234		1000	AFUUUD 1	AF000571	AF000571 AF000571 192500	
က	AB00942	AB01071	$\overline{}$	AB01071 0	AB01071	0	AB01071 0		AB01071		AB02068	0	AF000234			AF000234		AF000234		AF000234		AF000234		1	AF0005/1	AF000571	AF000571	

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2442C>T	2906A>G	2963A>G	1038T>C	384G>A	1750G>A	3614C>G	808C>G	915G>A	987T>C	989T>C	1054G>C	1285G>A
2552	3016	3073	1044	432	1916	3780	808	915	1023	1025	1090	1321
K+ channel (KyLQT1)	K+ channel (KvLQT1)	K+ channel (KvLQT1)	Homo sapiens p38beta2 MAP kinase mRNA,	complete cds Homo sapiens stress- activated protein kinase 4	Homo sapiens poly(ADP- ribose) glycohydrolase (hPARG) mRNA, complete	cds Homo sapiens poly(ADP- ribose) glycohydrolase (hPARG) mRNA, complete	Homo sapiens apoptotic caspase Mch5-beta mRNA, atternatively	Homo sapiens apoptotic caspase Mch5-beta mRNA, alternatively	Spilced, complete cds PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL 5: P2RX5	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL 5: P2RX5	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL 5: P2PX5	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL, 5: P2RX5
GEN-	GEN-	GEN-	GEN-	GEN-UX	GEN-VX	GEN-VX	GEN- 1HV	GEN- 1HV	GEN-	GEN-	GEN-	GEN- 1NE
192500	192500	192500	602898	602899	603501	603501	601763	601763	602836	602836	602836	602836
AF000571 192500	AF000571	AF000571	AF001174 602898	AF004709 602899	AF005043 603501	AF005043 603501	AF009620	AF009620	AF016709	AF016709	AF016709	AF016709
AF000571	AF000571	AF000571	AF001174	AF004709	AF005043	AF005043	AF009620 AF009620 601763	AF009620 AF009620 601763	AF016709 AF016709 602836	AF016709	AF016709	AF016709 AF016709 602836

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1388C>G	1476G>A	1707A>G	1822A>G	781G>A	883C>A	1068A>G	150G>A	291C>T	408T>C	483A>G	366G>A	634C>T	2370G>A	3129C>T	1436G>T
1424	1512	1743	1858	781	883	1068	273	314	431	506	527	795	2531	3290	1551
PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL 5: P2RX5	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL.:5: P2RX5	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL 5: P2RX5	PURINERGIC RECEPTOR P2X, LIGAND-GATED ION CHANNEL 5: P2RX5	Homo sapiens Bcl-X/Bcl-2 binding protein (BAD) mRNA, partial cds	Homo sapiens Bcl-X/Bcl-2 binding protein (BAD) mRNA partial cds	Histamine receptor H1	Homo sapiens small cell vasopressin subtype 1b receptor mRNA, complete	Vasopressin V1A receptor	Vasopressin V1A receptor	Vasopressin V1A receptor	Homo sapiens integrin alpha-7 mRNA, complete cds	Homo sapiens phospholipase D2 (PLD2) mRNA, complete cds	Homo sapiens phospholipase D2 (PLD2) mRNA, complete cds	Homo sapiens phospholipase D2 (PLD2) mRNA_complete cds	Homo sapiens carbonic anhydrase precursor (CA
GEN- 1NE	GEN- 1NE	GEN- 1NE	GEN- 1NE	GEN- 2A5	GEN- 2A5	GEN-	GEN- 4FF	GEN-2	GEN-2	GEN-2	GEN- 2NO	GEN- 20B	GEN- 20B	GEN- 20B	GEN- 2KJ
AF016709 AF016709 602836	AF016709 AF016709 602836	AF016709 AF016709 602836	AF016709 AF016709 602836	AF021792 AF021792 603167	AF021792 AF021792 603167	HRH1 AF026261 600167	AVPR1B AF030512 600264	AF030625	AF030625	AF030625	ITGA7 AF032108 600536	AF033850 AF033850 602384	AF033850 AF033850 602384	AF033850 AF033850 602384	AF037335 AF037335 603263
AF(AF(AF(AF(AF(AFC			AF0	AFG	AFC		AFC	AFC	AFO	AFO

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	2327C>T	453A>T	1214C>T	1169A>G	1305T>C	1371G>C	1663G>A	1680A>T	1647C>T	3989C>T	4635C>A	4754C>T
	2442	490	1214	2302	2438	2504	1972	1989	1695	4037	4683	4802
12) mRNA, complete cds	Homo sapiens carbonic anhydrase precursor (CA 12) mRNA, complete cds	Homo sapiens G protein gamma 5 subunit mRNA, complete cds	Homo sapiens putative transcriptional repressor E2F-6 mRNA, partial cds	Homo saplens connexin 31 (GJB3) mRNA, complete cds	Homo saplens connexin 31 (GJB3) mRNA, complete cds	Homo sapiens connexin 31 (GJB3) mRNA, complete cds	Homo saplens cytosolic phospholipase A2-gamma mRNA, complete cds	Homo sapiens cytosolic phospholipase A2-gamma mRNA, complete cds	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds	Homo saplens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA,	Homo saplens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds	Homo sapiens low-density lipoprotein receptor-related protein 5 (LRP5) mRNA, complete cds
	GEN- 2KJ	GEN-LEI	GEN- LG1	GEN- MKO	GEN- MKO	GEN- MKO	GEN- LJY	GEN LU≺	GEN- KV4	GEN- KV4	GEN- KV4	GEN- KV4
	603263	600874	602944	603324	603324	603324	None	None	603506	603506	603506	603506
	AF037335	AF038955	AF041381	AF052692	AF052692	AF052692	AF058921	AF058921	AF064548	AF064548	AF064548	AF064548
	AF037335 AF037335 603263	AF038955	AF041381	AF052692 AF052692 603324	AF052692 AF052692	AF052692	AF058921	AF058921 AF058921 None	AF064548 AF064548 603506	AF064548	AF064548 AF064548 603506	AF064548 AF064548 603506

E329V	ю	က	H211Y	D34N	V98L	က	w	ဟ	ဟ	ဟ	ဟ	ဟ	က	ო
986A>T	1279G>A	1882A>C	631C>T	100G>A	:292G>T	1239G>A	741A>C	741A>C	1110G>A	2220T>C	3006C>T	3057G>A	3079G>A	3090C>A
986	1279	1915	631	149	341	1288	1059	1059	1428	2538	3324	3375	3397	3408
Homo sapiens beta- arrestin 1A mRNA,	Complete cus Homo sapiens beta- arrestin 1A mRNA, complete cds	Homo sapiens mRNA for UDP-	glucurofiosylitansierase Homo sapiens mRNA for AMP-activated protein kinase beta 2 subunit	Lipocortin II (Annexin II)	Lipocortin II (Annexin II)	Lipocortin II (Annexin II)	Homo sapiens mRNA for Na,K-ATPase alpha-	Homo sapiens mRNA for Na,K-ATPase alpha-	Homo sapiens mRNA for Na,K-ATPase alpha-	Homo sapiens mRNA for Na,K-ATPase alpha- subunit, complete cds	Homo sapiens mRNA for Na,K-ATPase alpha-	Homo sapiens mRNA for Na,K-ATPase alpha- subunit. complete cds	Homo sapiens mRNA for Na,K-ATPase alpha- subunit. comolete cds	Homo sapiens mRNA for Na.K-ATPase alpha- subunit, complete cds
GEN- LQ9	GEN-	GEN	GEN-243	GEN-2D	GEN-2D	GEN-2D	GEN. 4E8	GEN- 4E8	GEN- 4E8	GEN- 4E8	GEN- 4E8	GEN- 4E8	GEN- 4E8	GEN-
107940	107940	600067	602741	151740	151740	151740	182310	182310	182310	182310	182310	182310	182310	182310
AF084040	AF084040	AJ005162	AJ224538	D00017	D00017	D00017	D00009	D00099 182310	D00099	D00099	D00099 182310	D00009	D00099	D00099 182310
AF084040 AF084040 107940	AF084040 AF084040 107940	AJ005162	AJ224538	D00017	D00017	D00017	ATP1A1	ATP1A1	ATP1A1	ATP1A1	ATP1A1	ATP1A1	ATP1A1	ATP1A1

က	က	ဟ	N408K	က	က	S175A	က	ო	ო	ဟ	ო	ო
3187C>A	3220G>T		1224T>A	1520C>T	1616G>A	523T>G	1593G>A	1137A>G	1238A>C	825T>C	1561G>C	1862A>C
3505	3538	827	1253	1549	1645	566	1600	1293	1394	871	1607	1908
Homo sapiens mRNA for Na,K-ATPase alpha- subunit complete cds	Homo sapiens mRNA for Na,K-ATPase alpha- subunit. complete cds	Human mRNA for ferrochelatase (EC	Human mRNA for dipeptidase	Human CYP11B2 gene for steroid 18-hydroxylase, complete cds	Human mRNA for adrenomedullin, complete	Human mRNA for adrenomedullin, complete cds	Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein.	Human mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein,	Human mRNA, for mitochondrial 3-ketoacyl-			
GEN- 4E8	GEN- 4E8	GEN-UB	GEN-UB	GEN-UB	GEN-UB	GEN-	GEN- CCD	GEN- 1SG	GEN- 1SG	GEN- 1Y5	GEN- 1Y5	GEN- 1Y5
D00099 182310	D00099 182310	177000	177000	D00726 177000	177000	179780	124080	103275	103275	143450	143450	143450
D000099	D00099	D00726	D00726	D00726	D00726	D13138	D13752 124080	D14874 103275	D14874 103275	D16481 143450	D16481 143450	D16481 143450
ATP1A1	ATP1A1	FECH	FECH .	FECH	FECH	D13138	CYP11B2	D14874	D14874	НАОНВ	НАДНВ	НАДНВ

	က	ဟ	12005	R347C	R347C	ო	R212H	S319W	တ	က	က	က	V569I	တ	ო	ဟ
	1865A>C	·828C>G	599T>G	1039C>T	1039C>T	1612C>T	635G>A	956C>G	984A>C	204C>G	232C>A	1619T>C	1705G>A	2661G>A	4250G>A	1209G>C
	1911	828	1035	1475	1475	2048	726	1047	1075	203	231	1646	1908	2864	4453	1323
CoA thiolase beta-subunit of trifunctional protein, complete ede	Human mRNA for mitochondrial 3-ketoacyl- CoA thiolase beta-subunit of trifunctional protein,	Heme oxygenase	Adrenergic receptor alpha	Adrenergic receptor alpha	Adrenergic receptor alpha	Adrenergic receptor alpha	Prostaglandin (2)	(prostacyclin) receptor (II) Prostaglandin I2 (prostacyclin) receptor (ID)	Prostaglandin 12	(prostacyclin) receptor (IP) Human IP gene for prostacyclin receptor, exon	Human IP gene for prostacyclin receptor, exon	Human mRNA for prostacyclin synthase,	Phospholipase C epsilon	Phospholipase C epsilon	Phospholipase C epsilon 4453	Human mRNA for LIMK-2, complete cds
	GEN- 1Y5	GEN-9C	GEN-3	GEN-3	GEN-3	GEN-3	GEN-78	GEN-78	GEN-78	GEN- 4DH	GEN- 4DH	GEN- 4E3	GEN-	GEN S	GEN- Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z	GEN- 2WP
	D16481 143450	D21243 141251	D25235 104221	D25235 104221	D25235 104221	D25235 104221	D25418 600022	D25418 600022	D25418 600022	D38128 600022	D38128 600022	D38145 601699	D42108 600597	D42108 600597	D42108 600597	D45906 601988
	нарнв р	D21243 D	D25235 D	D25235 D	D25235 D	D25235 D	D25418 D	D25418 D	D25418 D	PTGIR D	PTGIR D	D38145 D	D42108 D	D42108 D	D42108 D	D45906 D

S454L	က	က	က	ო	က	က	V420M	ო	တ	ო	່ຕ	က	ო
1361C>T	1695C>G	3276G>A	3653G>A	3847G>C	4266T>A	4353G>A	1258G>A	2599T>C	102C>T	2256C>A	2344T>C	2096G>A	2129A>G
1475	1914	3378	3755	3949	4368	4455	1441	2782	150	2432	2363	2299	2332
Human mRNA for LIMK-2,	complete cds Serotonin 5-HT receptors	Human mRNA for apolipoprotein E receptor	2, complete cds Human mRNA for apolipoprotein E receptor	z, complete cas Human mRNA for apolipoprotein E receptor	2, complete cds Human mRNA for apolipoprotein E receptor	2, complete cds Human mRNA for apolipoprotein E receptor	2, complete cds Homo sapiens ADDL mRNA for adducin-like	protein, complete cas Homo sapiens ADDL mRNA for adducin-like	protein, complète cds Homo sapiens mRNA for serin protease with IGF-	Minding moul, complete cas Human mRNA for KIAA0271 gene, complete	cds Carnitine Palmitoyltransferase	(muscie) Human mRNA for platelet- activating factor acetylhydrolase 2,	complete cds Human mRNA for platelet- activating factor acetylhydrolase 2,
SEN-	GEN-5	GEN- 30Y	GEN- 30Y	GEN- 30Y	GEN- 30Y	GEN- 30Y	GEN- 3HA	GEN- 3HA	GEN- 42R	GEN-	GEN-6	GEN- 44C	GEN- 44C
D45906 601988	182139	602600	602600	D50678 602600	602600	602600	601568	D67031 601568	602194	601931	600528	602344	602344
D45906	D49394	D50678	D50678	D50678	D50678	D50678	D67031	D67031	D87258	D87461	D87812	D87845	D87845
D45906	D49394	D50678	D50678	D50678	D50678	D50678	D67031	D67031	D87258	D87461	D87812	D87845	D87845

,	c C	2	Ω	ဟ	က	က		က	က		က	က		7 3	ო	S		ဟ	Ø)	S	ဟ	က	က	ო	ო	က
1	(-1284)A>1	(-829)G>C	(-562)G>C	927T>C	1203A>G	513T>G		1368T>G	1486A>G		1512G>A	1553A>G	1000	15961	1643G>C	471C>A		969C>T	1<0696		1005A>G	1005A>G	1354C>G	1354C>G	1748G>A	1896G>A	2284G>A
;	434	889	1156	2644	2920	989		1414	1532		1558	1599	0,0	1642	1689	547		1449	1449	<u>.</u>	1485	1485	1834	1834	2228	2376	2764
complete cds	P2Y7 purinoceptor	Human ATL-derived PMA-	responsive (APR) peptide mRNA	Macrophage scavenger	receptor 1 Macrophage scavenger	receptor 1	Macrophage scavenger	Macrophage scavenger	receptor 1	Macrophage scavenger receptor 1	Macrophage scavenger	ACAT1		Endothelin Receptor Type	Endothelin Recentor Tyne	A	Endothelin Receptor Type 1485	Endothelin Receptor Type	Endothelin Receptor Type								
	GEN-7	GEN-7	GEN-7	GEN-7	GEN-7	GEN-466		GEN-6M	GEN-6M		GEN-6M	GEN-6M		GEN-6M	GEN-6M	GEN-	46A	S S	֡֝֝֝֟֝֝֟֝֟֝֟֝֟֝֟֝֟֝֟֝֟֝֟֝֟ ֓֓֞֞֞֓֞֓֓֞֓֓֞֞֞֓֓֞֞	4DX	GEN-	GEN-	GEN 5	GEN F	S S S	GEN GEN GEN GEN GEN GEN GEN GEN GEN GEN	GEN-
!	601531	601531	601531	601531	601531	107770		153622	153622		153622	153622		153622	153622	203750		131243	131243	2	131243	131243	131243	131243	131243	131243	131243
	D89078	D89078	D89078	D89078	D89078	D90070		D90187 153622	D90187 153622		D90187	D90187		D90187	D90187 153622	D90228		D90348 131243	D90348		D90348	D90348	D90348	D90348	D90348	D90348	D90348
	D89078	D89078	D89078	D89078	D89078	LRP1		D90187	D90187		D90187	D90187		D90187	D90187	D90228		EDNRA	FDNRA		EDNRA	EDNRA	EDNRA	EDNRA	EDNRA	EDNRA	EDNRA

16 H6 22	
P2739L S D3319H	1342/7
8216C>T 8547T>C 9955G>C	102800.>A
8294 8625 10033	8050
Ag(x) antigen) Apolipoprotein B (including Ag(x) antigen) Apolipoprotein B (including Ag(x) antigen) Apolipoprotein B (including	Apolipoprovein a (including
GEN-6N GEN-6N GEN-6N	מבוא-סוס
107730 107730 107730	06/101
J02610 J02610	202010
J02610 J02610	205010
	J02610 107730 GEN-6N Apolipoprotein B (including 8294 8216C>T Ag(x) antigen) J02610 107730 GEN-6N Apolipoprotein B (including 10033 9955G>C Ag(x) antigen) J02610 107730 GEN-6N Apolipoprotein B (including 10033 9955G>C Ag(x) antigen)

တ က	562C>T 1269A>C	627 1334	Carbonic anhydrase II Carbonic anhydrase II	GEN-2I GEN-2I	259730 259730	J03037 J03037
တ	417G>A	503	mRNA, complete cds Human beta-1-adrenergic receptor mRNA, complete	GEN- 4D6	109630	J03019
))	}	<u>8</u>	i i		3
ć				i	() () ()	4
ဟ	681C>T	758	Guanine nucleotide binding protein (G protein), alpha	GEN-79	139360	J03004
n	684A>G	745	Human apolipoprotein U mRNA, complete cds	GEN-60		J02611
)) (5	mRNA, complete cds			5
c	0.0049	707	mRNA, complete cds	2	107740	1,000
ო	622T>G	683	mRNA, complete cds Human apolipoprotein D	GEN-60	J02611 107740	611
က	615T>G	929	Ag(x) antigen) Human apolipoprotein D	GEN-60	J02611 107740	611
E4181K	12541G>A	12619	Ag(x) antigen) Apolipoprotein B (including	GEN-6N	J02610 107730	610
ဟ	12408G>C	12486	Ag(x) antigen) Apolipoprotein B (including	GEN-6N	J02610 107730	610
G4133A	12398G>C	12476	Ag(x) antigen) Apolipoprotein B (including	GEN-6N	J02610 107730	610
E4128V	12383A>T	12461	Ag(x) antigen) Apolipoprotein B (including	GEN-6N	J02610 107730	610
F3949L	11845T>C	11923	Ag(x) antigen) Apolipoprotein B (including	GEN-6N	J02610 107730	610
ဟ	11784T>A	11862	Ag(x) antigen) Apolipoprotein B (including	GEN-6N	107730	J02610
A3876V	11627C>T	11705	Ag(x) antigen) Apolipoprotein B (including	GEN-6N	J02610 107730	9010
13732T	11195T>C	11273	Ag(x) antigen) Apolipoprotein B (including	GEN-6N	J02610 107730	610
Q3432E	10294C>G	10372	Apolipoprote	GEN-6N	J02610 107730	610

က	R82W	R212K	ო	R127H	A171T	က	က	2	V127I	တ	က		က			ഗ	E481D	V651I			က		က		က		ď)	ဟ	
1422A>C	244C>T	635G>A	1057G>A	380G>A	511G>A	638C>G	649C>T	(-52)C>T	379G>A	1773G>A	1479A>G		2529T>C			72G>T	1443A>T	1951G>A			3032T>C		3634A>G		3831A>G		465T>G		591A>G	
1487	244	635	1189	932	1063	1190	1201	160	290	1984	1491		2541			40	1511	1951			3035		3634		3831		469	3	595	
Carbonic anhydrase II	Huma hemopexin mRNA, 3	end GEN-ZD Huma hemopexin mRNA, 3 end	Human lipoprotein- associated coagulation inhibitor mRNA, complete	Insulin-like growth factor 2	DNA topoisomerase I	DNA topoisomerase I	DNA topoisomerase I	Guanine nucleotide binding	protein (5 protein), alpina 2	Guanine nucleotide binding	protein (G protein), alpha z	polypeptide	Leukotriene A4 hydrolase	Leukotriene A4 hydrolase	Human complement	protein component C7	mRNA, complete cds	Human complement protein component C7	mRNA, complete cds	Human complement	protein component C7 mRNA, complete cds	Human complement	protein component C7	mKNA, complete cds Human henatic linase	mRNA, complete cds	Human hepatic lipase				
GEN-21	GEN-ZD	GEN-ZD	GEN-ZZ	GEN-PJ	GEN-PJ	GEN-PJ	GEN-PJ	GEN-C4	GEN-C4	GEN-C4	GEN-7A		GEN-7A			GEN-8	GEN-8	GEN	11R	i	GEN-		GEN	11R	GEN-	11R	GEN-11.		GEN-11J	
259730	142290	142290	152310	147470	147470	147470	147470	172420	172420	172420	139160		139160			151570	151570	217070			217070		217070		217070		151670		151670	
J03037 259730	J03048	J03048	J03225	J03242	J03242	J03242	J03242	J03250	J03250	J03250	J03260		J03260 139160			J03459	J03459	103507		!	J03507		J03507		103507		.103540		J03540	
J03037	J03048	J03048	J03225	J03242	J03242	J03242	J03242	J03250	J03250	J03250	103260		J03260			J03459	J03459	C1			C3		. C7		C7	v	G	i	LIPC	

S215N	Ø	w	S	ဟ	တ	P309T	တ	က	1	ட	က	ю	· u	o	1400S	P445R	ω	R119H	K646N	T678S
644G>A	813C>T	1437C>A	21C>T	270G>A	270G>A	925C>A	1728A>T	2042-	2043AC>AC	2042- 2043delAC	2294C>T	2342T>G	1464C/T	7	1199T>G	1334C>G	1341C>T	356G>A	1938A>T	2032A>T
648	817	1441	55	304	304	959	1762	2076		2076	2328	2376	1202	1202	1237	1372	1379	558	2140	2234
Human hepatic lipase	Human hepatic lipase	Human hepatic lipase	Lipoxygenases: 5-	lipoxygenase (leukocytes) Lipoxygenases: 5-	lipoxygenase (leukocytes)	Lipoxygenases: 5-	Lipoxygenases: 5-	lipoxygenase (leukocytes)	lipoxygenase (leukocytes)	Auferiergic receptor arpria	Adrenergic receptor alpha	Adrenergic receptor alpha	Adrenergic receptor alpha	Complement C1S component precursor (C1	Complement C1S component precursor (C1	Complement C1S component precursor (C1 esterase)				
GEN-11J	GEN-11J	GEN-11J	GEN-9	GEN-9	GEN-9	GEN-9	GEN-9	GEN-9	,	GEN-9	GEN-9	GEN-9	. N	֖֖֖֖֖֖֖֖֖֖֖֖֖֖֖֖֝֝֞֝֝֝֡֝֝֝֝֝֡֝֝֝֝֡֝֝֝֓֓֓֓֝	GEN-A	GEN-A	GEN-A	GEN- 13T	GEN- 13T	GEN- 13T
151670	151670	151670	152390	152390	152390	152390	152390	152390	,	152390	152390	152390	104250	04730	104250	104250	104250	120580	120580	120580
J03540 151670	J03540	J03540	J03571	J03571	J03571	J03571	J03571	J03571		J03571	J03571	103571			J03853	J03853	J03853	J04080	J04080	J04080 120580
LIPC	LIPC	LIPC	J03571	J03571	303571	J03571	J03571	J03571		J03571	J03571	J03571	102053	20202	J03853	J03853	J03853	C1S	C1S	C1S

ო	N160S	Ø	A261S	· ທ	ဟ	[P505V;50 6-505del]	D592G	Ø	Ø	M828T	ဟ	Ø	က	S754A	ო	ო	ဇာ	ဗ
2131G>T	479A>G	582C>T	781G>T	1020C>T	1513- 1515CCT>CC	1513- 1515delCCT	1775A>G	2193G>A	2328A>G	2483T>C	3387T>C	3387T>C	3126G>A	2260T>G	5191G>A	2314C>T	2316G>T	2332G>T
2333	501	604	803	1042	1535	1535	1797	2215	2350	2505	3409	3409	3281	2364	5295	2314	2316	2332
Complement C1S component precursor (C1	esterase) Anglotensin-converting	Angiotensin-converting	enzyme (ACE) Angiotensin-converting	enzyme (ACE) Angiotensin-converting enzyme (ACE)	Angiotensin-converting enzyme (ACE)	Angiotensin-converting enzyme (ACE)	Angiotensin-converting	enzyme (ACE) Angiotensin-converting	enzyme (ACE) Angiotensin-converting	Angiotensin-converting	enzyme (ACE) Angiotensin-converting	Angiotensin-converting	enzyme (ACE) Human complement component C6 mRNA,	complete cds alpha-subunit of Na+/K+	alpha-subunit of Na+/K+	A I Pase isoform? Human carboxypeptidase	Human carboxypeptidase	Human carboxypeptidase
GEN- 13T	GEN-2L	GEN-2L	GEN-2L	GEN-2L	GEN-2L	GEN-2L	GEN-2L	GEN-2L	GEN-2L	GEN-2L	GEN-2L	GEN-2L	GEN- 16S	GEN-SL	GEN-SL	GEN-173	GEN-173	GEN-173
120580	106180	106180	106180	J04144 106180	106180	J04144 106180	J04144 106180	304144 106180	J04144 106180	J04144 106180	J04144 106180	J04144 106180	217050	J05096 182340	J05096 182340	603104	603104	603104
J04080 120580	J04144 106180	J04144 106180	J04144	J04144	J04144 106180	J04144	304144	304144	J04144	J04144	J04144	J04144	J05064	305096	305096	J05158	J05158	J05158
C1S	J04144	J04144	J04144	J04144	J04144	J04144	J04144	J04144	J04144	J04144	J04144	J04144	ဗိ	305096	105096	J05158	J05158	J05158

	က	က	က	က	ဟ	က	က	ო	ო	ღ	A18T		E21K	E31K	L46P	ட	T60A	P102R	
	2541G>A	2651C>T	834A>G	4787T>A	158A>G	896C>G	933G>A	1431G>A	1955T>C	1955T>C	52G>A		61G>A	91G>A	137T>C	144delG	178A>G	305C>G	
	2541	2651	834	4890	173	913	950	1448	1972	1972	112		121	151	197	204	238	365	.;
N mRNA, 3 end	Human carboxypeptidase N mRNA, 3 end	Human carboxypeptidase N mRNA, 3 end	Calcineurin A	Human mannose receptor mRNA, complete cds	Prostaglandin 15-OH	Prostaglandin 15-OH	denydrogenase (ครบก) Prostaglandin 15-OH	dehydrogenase (PGDH) Prostaglandin 15-OH	dehydrogenase (PGDH) Prostaglandin 15-OH	dehydrogenase (PGDH) Prostaglandin 15-OH	dehydrogenase (PGDH) Human apolipoprotein E	(epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	enija Za Najvinja Najvinja Najvinja Najvinja
,	GEN-173	GEN-173	GEN-D	GEN-180	GEN-E	GEN-E	GEN-E	GEN-E	GEN-E	GEN-E	GEN-P0		GEN-P0	GEN-PO	GEN-PO	GEN-PO	GEN-P0	GEN-P0	
	J05158 603104	J05158 603104	J05480 114105	J05550 153618	J05594 601688	J05594 601688	J05594 601688	J05594 601688	J05594 601688	J05594 601688	K00396 107741		K00396 107741						
	J05158 J	J05158 J	J05480 J	M6PR J	J05594 J	J05594 J	J05594 J	J05594 J	J05594 J		K00396 K		K00396 K						

A117T	C130R	G145D	R152Q	R154S	R160C	R163C	R163H	K164E	R176C	R176C	u.	R242Q	R246C
349G>A	388T>C	434G>A	455G>A	460C>A	478C>T	487C>T	488G>A	490A>G	526C>T	526C>T	·683G>A	725G>A	736C>T
409	448	494	515	520	538	547	548	550	586	586	743	785	962
Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)	Human apolipoprotein E (epsilon 2 and 3 alleles)
GEN-P0	GEN-P0	GEN-P0	GEN-P0	GEN-P0	GEN-P0	GEN-P0	GEN-PO	GEN-PO	GEN-PO	GEN-P0	GEN-PO	GEN-P0	GEN-PO
107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741	107741
K00396 107741	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396
K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396	K00396

	V254E	R269G	R292H	S314R	S	ဟ	T207M	M268T	တ	ဟ	က	ო	A87G	+150S	Y296C	P301H	N302S	T400K	L314P
	761T>A	805C>G	875G>A	940A>C	150G>A	204C>T	· 620C>T	803T>C	1116G>A	1437C>A	1782G>A	2014A>C	260C>G	449G>C	887A>G	902C>A	905A>G	1199C>A	941T>C
	821	865	935	1000	236	290	629	842	1155	1476	1821	2053	260	449	887	902	902	1248	1001
mRNA	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	Human apolipoprotein E (epsilon 2 and 3 alleles) mRNA	Neuropeptide Y	Neuropeptide Y	Human angiotensinogen mRNA, complete CDS	Human angiotensinogen mRNA, complete CDS	Human angiotensinogen	Human angiotensinogen mRNA, complete CDS	Human angiotensinogen mRNA, complete CDS	Human angiotensinogen mRNA, complete CDS	Human urokinase gene, 3 end	Human urokinase gene, 3	Human urokinase gene, 3 end	Human urokinase gene, 3 end	Human urokinase gene, 3	Human alpha-2-thiol proteinase inhibitor mRNA,	Human complement
	GEN-PO	GEN-P0	GEN-P0	GEN-P0	GEN-20	GEN-20	GEN-WK	GEN-WK	GEN-WK	GEN-WK	GEN-WK	GEN-WK	GEN-SQ	GEN-SQ	GEN-SQ	GEN-SQ	GEN-SQ	GEN-X2	GEN-XM
	107741	107741	107741	107741	162640	162640	106150	106150	106150	K02215 106150	K02215 106150	106150	191840	191840	191840	191840	191840	228960	K02765 120700
	K00396 107741	K00396 107741	K00396	K00396	K01911	K01911	K02215	K02215	K02215	K02215	K02215	K02215	K02286	K02286	K02286	K02286	K02286	K02566	K02765
	K00396	K00396	K00396	K00396	K01911	K01911	AGT	AGT	AGT	AGT	AGT	AGT	K02286	K02286	K02286	K02286	K02286	KNG	K02765

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2515G>A	3048C>T	3501C>G	4311C>T	4484C>A	4878T>C	4896T>C	(-68)A>C (-61)A>C	28G>A 33G>A 72C>T	104G>A
2575	3108	3561	4371	4544	4938	4956	19 26	114 119	103
component C3 mRNA, alpha and beta subunits, complete cds Human complement component C3 mRNA, alpha and beta subunits,	complete cds Human complement component C3 mRNA, alpha and beta subunits,	compilete cds Human complement component C3 mRNA, alpha and beta subunits,	Composes composes consponent component C3 mRNA, alpha and beta subunits,	Complete Cos Human complement component C3 mRNA, alpha and beta subunits,	Complete Cos Human complement component C3 mRNA, alpha and beta subunits,	Complete cos Human complement component C3 mRNA, alpha and beta subunits,	Interleukin 1, beta interleukin 1, beta interleukin 1, beta interleukin 1, beta	Interleukin 1, beta Interleukin 1, beta Interleukin 1, beta Human low density	exon 18 exon 18 Human low density
GEN-XM	GEN-XM	GEN-XM	GEN-XM	GEN-XM	GEN-XM	GEN-XM	GEN-5M GEN-5M	GEN-5M GEN-5M GEN-	GEN-
K02765 120700	K02765 120700	K02765 120700	K02765 120700	K02765 120700	K02765 120700	K02765 120700	147720		L00352 143890
K02765	K02765	K02765	K02765	K02765	K02765	K02765	K02770 K02770	K02770 K02770 K02770 L00352	L00352
K02765	K02765	K02765	K02765	K02765	K02765	K02765	K02770 K02770	K02770 K02770 L00352	L00352

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	717C>T	882G>A	1181A>G	1187C>G	1188T>G	1192G>A	1223G>A	1224C>T	1225G>A	1228T>C	1235T>C	1253A>T	1269A>C	
	716	881	1180	1186	1187	1191	1222	1223	1224	1227	1234	1252	1268	
lipoprotein receptor gene,	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene,	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene,	Human low density lipoprotein receptor gene,	Human low density lipoprotein receptor gene, expn 18	Human low density lipoprotein receptor gene, expn 18	Human low density lipoprotein receptor gene, expn 18	Human low density lipoprotein receptor gene,	Human low density lipoprotein receptor gene, exon 18	
288	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	
	143890	143890	143890	143890	143890	143890	143890	143890	143890	143890	143890	143890	143890	
	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	
	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	SD-144146.1

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	1269A>T	1280C>T	1281G>A	1309C>T	1310G>A	1317G>A	1321T>C	1346G>A	1369T>C	1377C>T	1384C>T	1407T>C	1419G>C	1429T>C
• •	1268	1279	1280	1308	1309	1316	1320	1345	1368	1376	1383	1406	1418	1428
Tali i i sa Paran manggaba	Human low density lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene,	Human low density lipoprotein receptor gene, expn 18	Human low density lipoprotein receptor gene,	Human fow density lipoprotein receptor gene,	Human low density lipoprotein receptor gene,								
	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8	GEN- 2S8
	L00352 143890	L00352 143890	L00352 143890	L00352 143890	L00352 143890	L00352 143890	L00352 143890	L00352 143890	L00352 143890	L00352 143890	L00352 143890	L00352 143890	L00352 143890	L00352 143890
	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352	L00352

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1454C>T	1797T>C		2109G>A		2491A>C		1023T>C	2002C>T		2279G>A	0.0000	7<96657	2525T>C		2546C>T	4 0000	1846C>A	1849G>A	2550C>T		918T>C		600T>C		786^787insA ATAAAATTC AT	(-146)A>G
1453	1796	3	2108		2490		1022	2001		2278	0	2328	2524		2545		1940	1943	2564		921		824		1010	88
exon 18 Human low density	iipoprotein receptor gene, exon 18 Human low density	lipoprotein receptor gene, exon 18	Human low density lipoprotein receptor gene.	exon 18	Human low density	hopioteili leceptor gene, exon 18	Human cystathionine-beta-	Human cystathionine-beta-	synthase (CBS) mRNA	Human cystathionine-beta-	synthase (CBS) mRNA	Human cystatnionine-beta-	Human cystathionine-beta-	synthase (CBS) mRNA	Human cystathionine-beta-	synthase (CBS) mRive	Protein Kinase C-theta	Protein kinase C-theta	Homo saplens focal	adhesion kinase mRNA, complete cds	Surfactant, pulmonary-	associated protein D	Serotonin 5-HT receptors	5-HT1F	Serotonin 5-HT receptors 5-HT1F	Endothelin Receptor Type B
GEN-	SEN GE	258	GEN- 2S8		GEN-	900	GEN-UV	GEN-UV		GEN-UV	1	20-S	GEN-UV		GEN-UV		GEN-CM	GEN-CM	GEN-174		GEN-	MJL	GEN-	4EV	GEN-	GEN- 19S
143890	143890		143890		143890		236200	236200		236200	00000	236200	236200		236200	0,700	600448	600448	600758		178635		None		None	131244
L00352 143890	1 00352		L00352		L00352		L00972	L00972		L00972	0000	L009/2	L00972		L00972		L01087	L01087	L05186		L05485		L05597		L05597	L06623 131244
L00352	1.00352		L00352		L00352		CBS	CBS		CBS	Ċ	Second	CBS		CBS	1000	L01087	L01087	L05186		L05485		L05597		L05597	EDNRB

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1<066	831G>A	831G>A	1218G>A	1816C>A	1853C>G	3618G>C	387G>A	1777G>A 456G>A	2953G>A	3010G>A	153C>T	162G>A
332	1064	1064	1225	1823	1852	3966	445	1835 456	3026	3083	191	200
Endothelin Receptor Type	Endothelin Receptor Type B	Endothelin Receptor Type B	Human enyol-CoA: hydratase 3-hydroxyacyl- CoA dehydrogenase (EHHADH) mRNA, complete cds with repeats	Human enyol-CoA: hydratase 3-hydroxyacyl- CoA dehydrogenase (EHHADH) mRNA,	Human alpha adducin mRNA, partial cds Including alternate exons A	Human transforming growth factor-beta type IIII receptor (TGF-beta) mRNA, complete cds	Protein kinase C, delta	Protein kinase C, delta Cholecystokinin (CCKb)	Human long-chain acylcoenzyme A synthetase (FACL1) mRNA, complete cds	Human long-chain acyl- coenzyme A synthetase (FACL1) mRNA, complete	Homo saplens aryl sulfotransferase mRNA, complete cds	Homo sapiens aryl sulfotransferase mRNA,
GEN-	GEN- 19S	GEN- 19S	GEN- 1DF	GEN- 1DF	GEN- 1DJ	GEN- 1EA	GEN-D0	GEN-DO GEN-	GEN-1GI	GEN-1GI	GEN- LVD	GEN- LVD
131244	131244	131244	261515	261515	102680	600742	176977	176977 118445	152425	152425	171150	171150
L06623 131244	L06623 131244	L06623	L07077	L07077 261515	L07261	L07594	L07861	L07861 L08112	L09229	L09229 152425	L10819 171150	L10819 171150
EDNRB	EDNRB	EDNRB	ЕННАДН	ЕННАDН	ADD1	TGFBR3	L07861	L07861 CCKBR	FACL1	FACL1	L10819	L10819

	တ	ග	A86V	N860	w	w	H213R	ო	က	ဟ	ω	ω	A142T	S287L
	192T>C	204G>A	257C>T	292G>A	300G>A	9<0009	638A>G	902G>A	973T>C	204G>A	462C>T	624C>A	424G>A	860C>T
	230	242	295	330	338	638	676	940	1011	538	962	958	544	086
complete cds	Homo sapiens aryl sulfotransferase mRNA, comolete cds	Homo sapiens aryl sulfotransferase mRNA, complete cds	Homo sapiens aryl sulfotransferase mRNA, complete cds	Homo sapiens aryl sulfotransferase mRNA, comolete cds	Homo sapiens aryl sulfotransferase mRNA, complete cds	Homo sapiens aryl sulfotransferase mRNA, complete cds	Human (clone A12) C4b- binding protein beta-chain mRNA, complete cds	Human (clone A12) C4b- binding protein beta-chain mRNA complete cds	Human (clone A12) C4b- binding protein beta-chain mRNA, complete cds	Human tetracycline transporter-like protein mRNA, complete cds	Human tetracycline			
	GEN- LVD	GEN- LVD	GEN- LVD	GEN-	GEN- LVD	GEN- LVD	GEN- LVD	GEN- LVD	GEN- LVD	GEN- 1K2	GEN- 1K2	GEN- 1K2	GEN- 1KW	GEN.
	171150	171150	171150	171150	171150	171150	171150	171150	171150	120831	120831	120831	102680	102680
	L10819 171150	L10819	L10819	L10819 171150	L10819	L10819	L10819 171150	L10819	L10819	L11244 120831	L11244	L11244	L11669	L11669 102680
	L10819	С4ВРВ	С4ВРВ	C4BPB	L11669	L11669								

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	1173G>A		1250C>T			1651C>T			1700C>T				2745G>T	.,			4372G>A			!	1411T>A	1647C>G	1651G>C	1678C>G	2223C>T	2445C>T	1980T>C		95A>G		309T>G		284G>A	
	1293		1467			1868			1917				2962			;	4589				1410	1646	1650	1677	2222	2444	2009		135		573		297	
transporter-like protein	MKNA, complete cos Human tetracycline	transporter-like protein mRNA, complete cds	Homo saplens(clone 71)	Miller-Dieker lissencephaly	complete cds	Homo sapiens(clone 71)	Miller-Dieker lissencephaly	protein (LIS1) mRNA,	Homo saplens/clone 71)	Miller-Dieker lissencephaly	protein (LIS1) mRNA,	complete cds	Homo sapiens(clone 71)	Miller-Dieker lissencephaly	protein (LIS1) mRNA,	complete cds	Homo sapiens(clone 71)	Miller-Dieker lissencephaly	protein (LIS1) mRNA,	complete cds	guanylate cyclase	Human	prolylcarboxypeptidase mRNA, complete cds	Human complement factor	B mRNA, complete cds	Human protein kinase C	iota isoform (PRKCI)	Human MAC25 mRNA,						
1¥	GEN-	1KW	GEN-	106	: '	GEN-	106		S NH NH	106			GEN	106			SEN-	106			GEN-20	GEN-20	GEN-20	GEN-20	GEN-20	GEN-20	GEN-	1PX	GEN-	1UA	GEN-	21N	GEN-	
	L11669 102680		385 601545			L13385 601545			385 601545				385 601545				385 601545				•	136 108961	136 108961	136 108961	136 108961	436 108961	977 176785		L15702 138470		964 300094		L19182 602867	
			R L13385						R 113385				R L13385				R L13385				36 L13436	77 L13977		BF L157		CI L18964								
	L11669	•	MDCR		*-	MDCR			MOCM				MDCR				MDCR				L13436	L13436	L13436	L13436	L13436	L13436	L13977		ш		PRKC		L19182	

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	105A>G	146C>T	1380A>G	(-56)C>T	3175T>C	147G>C	2212G>A	552G>A	1898C>T	1185T>C	1253C>T	1280A>G	2007A>G	2062A>G	819C>T	1460C>A	175C>G
	243	284	1671	336	3566	557	2622	552	1917	1422	1490	1517	2244	2299	906	1547	213
complete cds	Human aryl sulfotransferase mRNA, complete cds	Human aryl sulfotransferase mRNA,	G-protein coupled	adenosine A3 receptor Human very low density lipoprotein receptor mRNA,	Complete cos Human very low density lipoprotein receptor mRNA,	Adenosine A1 receptor	Adenosine A1 receptor	(ADORA1) Human Bax alpha mRNA,	Complete cds Homo sapiens dopamine transporter mRNA	complete cds PROSTAGLANDIN F	RECEPTOR PROSTAGLANDIN F	PROSTAGLANDIN F	PROSTAGLANDIN F RECEPTOR	PROSTAGLANDIN F	Human phospholipid transfer protein mRNA,	complete cas Human phospholipid transfer protein mRNA,	complete cds Homo sapiens tissue factor
212	GEN- LVE	GEN- LVE	GEN-M	GEN- 23D	GEN- 23D	GEN-2S	GEN-2S	GEN-	CEN-283	GEN-O	GEN-O	GEN-O	GEN-O	GEN-O	GEN- 2AK	GEN- 2AK	GEN-
	L19956 600641	L19956 600641	L20463 600445	L20470 192977	L20470 192977	L22214 102775	L22214 102775	L22473 600040	L24178 126455	L24470 600563	L24470 600563	L24470 600563	L24470 600563	L24470 600563	L26232 172425	L26232 172425	L27624 600033
	L19956	L19956	L20463	VLDLR	VLDLR	L22214	L22214	L22473	SLC6A3	L24470	L24470	L24470	L24470	L24470	L26232	L26232	L27624

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	219C>A	257G>T	396G>A	398A>T	763G>A	847C>A	159C>T	223G>A	1337A>G	171C>T	534C>T	549G>A	1756T>C	1893C>G	1235A>G	1278A>C
	257	295	434	436	801	885	547	611	1725	171	534	549	1996	2133	1397	1440
pathway inhibitor-2 mRNA,	complete cos Homo sapiens tissue factor pathway inhibitor-2 mRNA,	Homo sapiens tissue factor pathway inhibitor-2 mRNA, complete cds	Homo saplens pathway inhib	Homo sapiens tissue factor pathway inhibitor-2 mRNA, comolete cds	Homo sapiens tissue factor pathway inhibitor-2 mRNA, complete cds	Homo sapiens tissue factor pathway inhibitor-2 mRNA,	Prostaglandin E receptor 2	Prostaglandin E receptor 2 (subtype EP2) 53kD	Prostaglandin E receptor 2 (subtype EP2), 53kD	Adrenergic receptor alpha	Adrenergic receptor alpha	Adrenergic receptor alpha 1b	Homo sapiens GATA-4 mRNA, complete cds	Homo sapiens GATA-4 mRNA complete cds	Human helodermin- preferring VIP receptor (VIPZ/PACAP receptor)	Human helodermin-
2C8	GEN- 2C8	GEN- 2C8	GEN- 2C8	GEN- 2C8	GEN- 2C8	GEN- 2C8	GEN-7C	GEN-7C	GEN-7C	GEN-	GEN-	GEN-	GEN- SV3	GEN- KV3	GEN- 2N5	GEN-
	L27624 600033	L27624 600033	L27624 600033	L27624 600033	L27624 600033	L27624 600033	L28175 601586	L28175 601586	L28175 601586	L31773 104220	L31773 104220	L31773 104220	L34357 600576	L34357 600576	L36566 601970	L36566 601970
	L27624	L27624	L27624	L27624	L27624	L27624	PTGER2	PTGER2	PTGĘR2	L31773	L31773	L31773	L34357	L34357	L36566	L36566

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	1083C>T	2947C>T	(-181)C>T	1251C>T	443C>G	581G>A	932G>C	3981A>G	2619G>A	4253G>A	116C>T	249T>G	551A>T	553G>A	575G>A	29C>A	89C>A
	1092	2968	287	1718	460	598	949	4019	2757	4391	193	326	628	630	652	180	240
preferring VIP receptor (VIP2/PACAP receptor)	mRNA, complete cds Human integral membrane protein (Nramp2) mRNA,		Serotonin 5-HT receptors	Serotonin 5-HT receptors	Home: sapiens paraoxonase 2 (PON2)	Homo sapiens Homo sapiens paraoxonase 2 (PON2)	Homo sapiens Homo sapiens paraoxonase 2 (PON2)	Cell surface receptor for sulfonylureas on pancreatic b rells	Insulin receptor	Insulin receptor	Human ferritin H chain	mRNA, complete cds Human ferritin L chain	mkiva, complete cas Human ferritin L chain				
2N5	GEN- 206	GEN- MPS	GEN-2T	GEN-2T	GEN- 2YD	GEN- 2YD	GEN- 2YD	GEN-5Q	GEN-2V	GEN-2V	GEN-Q7	GEN-Q7	GEN-Q7	GEN-Q7	GEN-Q7	GEN-1JZ	GEN-1JZ
	600523	None	601109	601109	602447	602447	602447	L78207 600509	147670	147670	134770	134770	134770	134770	134770	134790	134790
	L37347 600523	L38969 None	L41147 601109	L41147	L48513	L48513	L48513	L78207	M10051	M10051	M11146	M11146	M11146 134770	M11146 134770	M11146	M11147	M11147 134790
	NRAMP2	L38969	L41147	L41147	L48513	L48513	L48513	L78207	M10051	M10051	M11146	M11146	M11146	M11146	M11146	댐	FTL

FTL M11147 134790 GEN-1JZ Human ferritin Lichain 314 163C>T S
M1147 134790 GEN-1J2
M11147 134790 GEN-1JZ Human ferritin Lichain mRNA, complete cds M11147 134790 GEN-1JZ Human ferritin Lichain mRNA, complete cds Human ferritin Lichain mRNA, complete cds M1147 134790 GEN-1JZ Human ferritin Lichain mRNA, complete cds Human ferritin Lichain mRNA, complete cds M12530 190000 GEN- Human transferrin mRNA, 1MK Human ferritin Lichain mRNA, complete cds M12530 190000 GEN- Human transferrin mRNA, 1MK Human ferritin Lichain mRNA, complete cds M12530 190000 GEN- Human transferrin mRNA, 1MK Human transferrin mRNA, complete cds M12530 190000 GEN- Human transferrin mRNA, 1MK Human transferrin mRNA, complete cds M12530 190000 GEN- Human transferrin mRNA, complete cds M12530 190040 GEN-QF Human transferrin mRNA, complete cds M12530 190040 GEN-QF Human transferrin mRNA, complete cds M12783 190040 GEN-QF Human transferrin mRNA, complete cds M12783 190040 GEN-QF Human c-sis/platelet-derived growth factor 2 (SIS/PDGF2) mRNA, complete cds M13686 178630 GEN-QF Human c-sis/platelet-derived growth factor 2 (SIS/PDGF2) mRNA, complete cds M13686 178630 GEN-QF Human c-sis/platelet-derived growth factor 2 (SIS/PDGF2) mRNA, complete cds M13686 178630 GEN-QF Human pulmonary surfactant-associated protein mRNA, complete cds M13686 178630 GEN-QF M13686 178630 GEN-QF Human pulmonary surfactant-associated protein mRNA, complete Human pulmonary surfactant-associated protein mRNA, complete
M11147 134790 GEN-1JZ M11147 134790 GEN-1JZ M11147 134790 GEN-1JZ M11147 134790 GEN-1JZ M12530 190000 GEN- Hurr 1MK M12530 190000 GEN- Hurr 1MK M12530 190000 GEN- Hurr 1MK M12530 190000 GEN- Hurr M12630 190000 GEN- GEN- GEN- GEN- GEN- GEN- GEN- GEN-
M11147 134790 GER M11147 134790 GER M11147 134790 GER M11147 134790 GER M12530 190000 M12530 190000 M12530 190000 M12530 190000 M12530 190000 M12530 190000 M12530 190040 GER M12783 190040 GER M13783 190040 GER M13686 178630
FTL FTL FTL FTL TF TF TF TF M12674 M12783 M12783

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		282G>A		342T>C			000			648C>T			795C>G			,	1438G>A			1558C>T		1677A>C		168T>C			414C>T			718C>T	
		370		430		604	† 0			736			883				1475			1595		1714		234			480			784	
	cds, clone MPSAP-6A	Human pulmonary surfactant-associated	protein mKNA, complete cds, clone MPSAP-6A	Human pulmonary	sunactant-associated protein mRNA, complete	cds, clone MPSAP-6A	surfactant-associated	protein mRNA, complete	cds, clone MPSAP-6A	Human pulmonary	protein mBNA complete	cds. clone MPSAP-6A	Human pulmonary	surfactant-associated	protein mRNA, complete	cds, clone MPSAP-6A	Human plasma protease	(C1) inhibitor mRNA,	complete cds	Human plasma protease (C1) inhibitor mRNA,	complete cds	Human plasma protease (C1) inhibitor mRNA.	complete cds	Human delta-	aminolevulinate	complete cds	Human delta-	aminolevulinate dehydratase mRNA.	complete cds	Human delta- aminolevulinate	dehydratase mRNA,
		GEN- 1P1		GEN-	Ξ	Ž V	2 - - - -			GEN-	_		GEN-	1P1			SEN-	1P6		GEN- 1P6		GEN- 1P6		GEN-	102		GEN-	102		GEN- 102	
		178630		178630		170220	0000			178630			178630				106100			106100		106100		125270			125270			125270	
		M13686 178630		M13686 178630		344.000	0000 1 101			M13686 178630			M13686 178630				M13690 106100			M13690		M13690 106100		M13928 125270			M13928 125270			M13928 125270	
:		M13686		M13686		9440000	1M 1 3000			M13686			M13686				CINH			C1NH		C1NH		ALAD			ALAD			ALAD	

А96Т	G110R	ო	P77L	ட	R486C	ოთ	P594L	Q681E	ო ო	က	M3011	ഹ
286G>A	328G>C	1501A>G	230C>T	832G>T	1456C>T	8728G>A 744C>T	1781C>T	2041C>G	2412C>T 2446G>A	3282G>T	903G>C	(-1122)C>G
1744	1786	2959	248	850	1519	8899 800	1781		2412 2446	3282	947	466
complete cds Human B-cell leukemia/lymphoma 2 (bcl- 2) proto-oncogene mRNA encoding bcl-2-alpha	protein, complete cds Protein, complete cds Human B-cell leukemia/lymphoma 2 (bcl- 2) proto-oncogene mRNA encoding bcl-2-alpha	protein, complete cds Human B-cell leukemia/lymphoma 2 (bcl- 2) proto-oncogene mRNA encoding bcl-2-alpha	Protein, complete cos Human uroporphyrinogen decarboxylase mRNA,	Human uroporphyrinogen decarboxylase mRNA,	Human complement C.1r	Human liver arginase	Human factor XIII subunit a	Human factor XIII subunit a mRNA, 3 end	GEN-QP Human factor XIII subunit a mRNA, 3 end GEN-QP Human factor XIII subunit a	mRNA, 3 end Human factor XIII subunit a	mKNA, 3 end Cytochrome P450, subfamily XIA (cholesterol	side chain cleavage) Beta2 Adrenergic Receptor
GEN-	GEN- 109	GEN- 109	GEN- 10M	GEN-	GEN	GEN-5T GEN-	GEN-OP	GEN-QP	GEN-OP	GEN-QP	GEN-30	GEN-T
151430	151430	151430	176100	176100	216950	306700 207800	134570		134570		118485	109690
M13994 151430	M13994	M13994 151430	M14016 176100	M14016	M14058	M14113 M14502	M14539	M14539	M14539 M14539	M14539	M14565	M15169 109690
BCL2	BCL2	BCL2	UROD	UROD	C1R	M14113 ARG1	M14539	M14539	M14539 M14539	M14539	M14565	M15169

M15169	M15169	109690	GEN-T		_	(-1023)G>A	S
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor 1182		(-406)C>T	വ
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor 1221		(-367)C>T	2
M15169	M15169	109690	GEN-T	Ξ	326 (-26	(-262)G>A	2
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor 1541		(-47)C>T	2
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor 163	633	46A>G	R16G
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor 1633	33	46A>G	R16G
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor 1666	99	79C>G	Q27E
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor 1666		79C>G	Q27E
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor 1666		79C>G	Q27E
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor 1687	•	100G>A	V34M
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor 1839		252G>A	ဟ
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor 2110		523C>A	ဟ
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor 2640	_	053G>C	S
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor 2826	•	239G>A	တ
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor 2862	•	1275C>G	က
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor 2864	-	1277C>A	က
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor 2865	_	278C>A	က
M15169	M15169	109690	GEN-T	Beta2 Adrenergic Receptor 3371	•	1784A>T	ო
PCNA	M15796	176740	GEN.	Human cyclin protein gene, 1063		945C>G	က
			10E	complete cds			
DAF	M15799	125240	GEN-	Human complement 1160		1160A>C	က
			5	decay-accelerating factor			
MISBER	M15856	238600	CEN.23	Liboprotein lipase 136		-39)T>C	u:
M15856	M15856	238600	0 L N L O	•		106G>A	D36N
M15856	M15856	238600	GEN-33		•	264T>A	ш
M15856	M15856	238600	GEN-33	-	•	273G>A	ш
M15856	M15856	238600	GEN-33	Lipoprotein lipase 474		300C>A	ட
M15856	M15856	238600	GEN-33	Lipoprotein lipase 480		306A>C	R102S
M15856	M15856	238600	GEN-33	Lipoprotein lipase 511		337T>C	W113R
M15856	M15856	238600	GEN-33	Lipoprotein lipase 571		397C>T	ட
M15856	M15856	238600	GEN-33	Lipoprotein lipase 680		506G>A	G169E
M15856	M15856	238600	GEN-33	Lipoprotein lipase 722		548A>G	D183G
M15856	M15856	238600	GEN-33	Lipoprotein lipase 770		596C>G	S199C
M15856	M15856	238600	GEN-33	Lipoprotein lipase 781	•	607G>A	A203T
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D207E	G215E	1221T	G222E	တ	D231E	P234L	ய	R270H	S271T	D277N	N318S	A361T	L392V	ıL	C445Y	A460V	L	က	თ	ဗ	ო	က	က	က	က	ო	က	ღ	က	V17I		ဟ	c	9	
621C>G	644G>A	. 662T>C	665G>A	669C>T	693C>G	701C>T	742delG	809G>A	· 811T>A	829G>A	953A>G	1081G>A	1174C>G	1227G>A	1334G>A	1379C>T	1421C>G	1437G>A	1799T>C	2254T>A	2569T>C	2677A>G	2677A>G	2784G>A	2843T>C	3098T>C	3098T>C	3169T>C	3273C>T	49G>A		336T>C	4670T+C	26.076.	
Lipoprotein lipase 795	Lipoproteln lipase 818	Lipoprotein lipase 836	Lipoprotein lipase 839	Lipoprotein lipase 843	Lipoprotein lipase 867	Lipoprotein lipase 875	Lipoprotein lipase 916	Lipoprotein lipase 983	Lipoprotein lipase 985	Lipoprotein lipase 1003	Lipoprotein lipase 1127	Lipoprotein lipase 1255	Lipoproteln lipase 1348	Lipoprotein lipase 1401	Lipoprotein lipase 1508	Lipoprotein lipase 1553	Lipoprotein lipase 1595	Lipoprotein lipase 1611	Lipoprotein lipase 1973	Lipoprotein lipase 2428	Lipoprotein lipase 2743	Lipoprotein lipase 2851	Lipoprotein lipase 2851	Lipoprotein lipase 2958	Lipoprotein lipase 3017	Lipoprotein lipase 3272	Lipoprotein lipase 3272	Lipoprotein lipase 3343	Lipoprotein Ilpase 3447	Tissue Plasminogen 124	activator inhibitor, type I	Tissue Plasminogen 411		Issue Plasminogen 1045 activator inhibitor type I	
GEN-33	.GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-33	GEN-34		GEN-34	7	GEN-34								
M15856 238600	M15856 238600	M15856 238600	M15856 238600	M15856 238600	M15856 238600	M15856 238600	M15856 238600	M15856 238600	M15856 238600	M15856 238600	M15856 238600	M15856 238600	M15856 238600	M15856 238600	M15856 238600	M15856 238600	M15856 238600	M15856 238600	M15856 238600	M16006 173360		M16006 173360		M16006 173360											
M15856	M15856	M15856	M15856	M15856	M15856	M15856	M15856	M15856	M15856	M15856	M15856	M15856	M15856	M15856	M15856	M15856	M15856	M15856	M15856	M16006		M16006		M16006											

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m	က	S	က	S	ო	က	D88C	G143D	F146V	ı	L	Y156C	T271M	T278P	E283D	L358!	G393R	G418V	F474V	щ	E525V	
1899T>C	1931T>G	1338C>T	1609G>A	.720C>T	1123G>T	1241C>T	.293A>G	428G>A	435-	0	4380>1	467A>G	812C>T	832A>C	849G>C	1072T>A	1177G>A	1253G>T	1420T>G	1435G>T	1574A>T	
1974	2006	2138	2409		1270	1388	422	557	564	9	200	296	941	961	978	1201	1306	1382	1549	1564	1703	
Tissue Plasminogen	activator inhibitor, type I Tissue Plasminogen	activator inhibitor, type I Muscarinic receptor,	Muscarinic receptor,	Human signal-transducing guanine nucleotide-binding regulatory (G) protein beta subunit mRNA, complete	Human signal-transducing guanine nucleotide-binding regulatory (G) protein beta subunit mRNA, complete	Human signal-transducing guanine nucleotide-binding regulatory (G) protein beta subunit mRNA, complete	Butyrylcholinesterase	Butyrylchofinesterase	Butyrylcholinesterase		Butyryicholinesterase	Butyrylcholinesterase										
GEN-34	GEN:34	GEN-	GEN- AES	GEN- 178	GEN- 1Y8	GEN- 178	GEN-35	GEN-35	GEN-35		C5-NIE	GEN-35	GEN-35	GEN-35	GEN-35	GEN-35	GEN-32	GEN-32	GEN-35	GEN-35	GEN-35	
173360	173360	None	None	139390	139390	139390	177400	177400	177400	9	17.400	177400	177400	177400	177400	177400	177400	177400	177400	177400	177400	
M16006	M16006	M16405	M16405 None	M16538	M16538 139390	M16538	M16541	M16541	M16541	0	1400 IVI	M16541										
M16006	M16006	M16405	M16405	M16538	M16538	M16538	M16541	M16541	M16541	24.0	1 4CO I M	M16541										

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R543C	A567T	A567T	ო	ო	တ		ĸ		1180V		A241V	L	L	ш		တ		ய		V741G		တ	ŗ	9	ď	n	ç	2		U	ס	100	KROKK		R865H		V1/64M
1627C>T	1699G>A	1699G>A	1998A>G	1998A>G	741G>A		(-42)C>G		538A>G	6	/22C>1	000	Tunadelic	1375delT		1497C>T		1609C>T	- 1	2222T>G		2514G>A	A .T.C.O.3	A<1/700	000	5429G>A	C/T0001	2000	ě	4704000	42010c7	0	25/3G>A		2594G>A		5290G>A
1756	1828	1828	2127	2127	825		175) :	754		938	,	1221	1591		1713		1825		2438		2730	2.4.0	5243		5645	100	900			1867		2663		2684	6	2380
Butyrylcholinesterase	Butyrylcholinesterase	Butyrylcholinesterase	Butyrylcholinesterase	Butyrylcholinesterase	Human 90-kDa heat-shock	protein gene, cDNA,	complete cas Mineralocorticoid recentor	(aldosterone receptor)	Mineralocorticoid receptor	(aldosterone receptor)	Mineralocorticoid receptor	(aldosterone receptor)	Mineraioconicoid receptor	Mineralocorticoid recentor	(aldosterone receptor)	Mineralocorticoid receptor	(aidosterone receptor)	Mineralocorticold receptor	(aldosterone receptor)	Mineralocorticoid receptor	(alucated of the capacity of t	Acyl-Coelleyille A	denyarogenase, C-4 to C-	12 straight chain	numail coagulation factor	v mkiva, complete cas	Human coagulation factor	V mRNA, complete cds	Human coagulation factor	V mRNA, complete cds	Human coagulation factor						
GEN-32	GEN-35	GEN-39	GEN-35	GEN-35	GEN-	1XC	GEN-36	; ;	GEN-36	1	GEN-36	1	0E-7-35	0FN-36		GEN-36		GEN-36	- 1	GEN-36		GEN-36	1	0 E N-30		GEN-36		פנול-נו		į,	- 1 1 1 1 1 1 1	128	GEN.	128	GEN-	128	GEN-
177400	177400	177400	177400	177400	140571		600983		600983		600983		600983	60093		600983		600983		600983		600983		600983		600983		201430		007400	22/400		227400		227400		22,7400
M16541	M16541	M16541	M16541	M16541	M16660		M16801		M16801		M16801		M16801	MIRROI		M16801		M16801		M16801		M16801	7000	MISSUI		M16801	140007	1700 IM		70007	/080 IM		M16967		M16967		M16967
M16541	M16541	M16541	M16541	M16541	M16660		116801		M16801		M16801		M16801	M16801		M16801		M16801		M16801		M16801	7000	M16801		M16801	700071	179 <u>0</u> 1 M		L	5	1	F5		F5		F.

ო	w	S	V762A	R847L	Ø	တ	Ø	ო	ო	က	S	v	G475E	P27S	ო
1833C>T	480C>T	132T>G	2285T>C	2540G>T	378G>A	486C>T	501C>T	1809G>A	1964A>G	2148G>C	633G>A	1023T>C	1424G>A	79C>T	1011C>T
1860	511	193	2424	2679	391	499	514	1822	1977	2161	995	1385	1786	132	1057
V mRNA, complete cds Human complement protein C8 bets subunit	Human prothrombin (F2) gene, complete cds, and	Human complement component C8-gamma	MKNA, complete cds ADP-ribosyltransferase (NAD+; poly (ADP-ribose)	polymerase) ADP-ribosyltransferase (NAD+; poly (ADP-ribose)	polymerase) Tissue Plasminogen	Tissue Plasminogen	acuvator, ussue type (ירּהַא) Tissue Plasminogen	activator, tissue type (t-PA) Tissue Plasminogen	activator, tissue type (t-PA) Tissue Plasminogen	activator, tissue type (t-PA) Tissue Plasminogen	activator, tissue type (t-PA) Androgen receptor (dihydrotestosterone	receptor) Androgen receptor (dihydrotestosterone)	receptor) Androgen receptor (dihydrotestosterone)	receptor) Human interleukin 3 (IL-3) mRNA, complete cds,	clone pcD-SK-alpha Lipocortin III (Annexin III)
128 GEN- 12A	GEN-SM	GEN- 20Y	GEN-EK	GEN-EK	GEN-37	GEN-37	GEN-37	GEN-37	GEN-37	GEN-37	GEN-38	GEN-38	GEN-38	GER	GEN-39
120960	176930	120930	173870	173870	173370	173370	173370	173370	173370	173370	313700	313700	313700	M20137 147740	M20560 106490
M16973 120960	M17262	M17999 120930	M18112	M18112	M18182	M18182	M18182	M18182	M18182	M18182	M20132	M20132	M20132	M20137	M20560
C8B	M17262	C8G	M18112	M18112	M18182	M18182	M18182	M18182	M18182	M18182	M20132	M20132	M20132	M20137	M20560

M20560	M20560	106490	GEN-39	Lipocortin III (Annexin III)	1302	1256C>A	т с
M21054	M21054		ה היים היים היים היים היים היים היים היי	Phoenholinas A.2 (Pl A-2)	331	20772	י ע
100	100			funi	-	2	o
M21054	M21054	172410	GEN-3B	Phospholipase A-2 (PLA-2)	400	363C>A	D121E
CYBA	M21186 233690	233690	GEN-241	Human neutrophil cytochrome b light chain	242	214C>T	H72Y
				p22 phagocyte b- cytochrome mRNA, complete cds			
CYBA	M21186 233690	233690	GEN-24	Human neutrophil cytochrome b light chain	549	521C>T	A174V
5.				p22 phagocyte b- cytochrome mRNA,	. <i>.:</i>		
CYBA	M21186	M21186 233690	GEN-241	Human neutrophil cytochrome b light chain	640	612A>G	က
				p22 phagocyte b- cytochrome mRNA,			
2	A104406	000000	170	complete cds	999	T-0269	·
200	WZ1180 Z3309U	733080	GEN-241	numan neutropnii cytochrome b light chain	600	63/59	ກ
				p22 phagocyte b- cytochrome mRNA,			
				complete cds			
M21616	M21616 173410	173410	GEN-R1	Human platelet-derived arowth factor (PDGF)	4312	4126C>T	က
				receptor mRNA, complete			
M21616	M21616 173410	173410	GEN-R1	Human platelet-derived growth factor (PDGF)	5171	4985C>A	က
				receptor mRNA, complete			
M21616	M21616 173410	173410	GEN-R1	Human platelet-derived growth factor (PDGF)	5295	5109A>G	ო
				receptor mRNA, complete			
PLA2G2A	M22430 172411	172411	GEN-	Human RASF-A PLA2	116.	(-20)G>T	гo
PLA2G2A	M22430 172411	172411	GEN-	Human RASF-A PLA2	231	3eG>C	S

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	132C>T	132C>T		143-	144G[>G 143-144delGT		508C>T	() ()	200000	738C>T		2219C>T		167A>T		167A>T		721G>A		721G>A	1	1055C>1	1095C>T		1224G>A	0.40	0 (00)	1405A>G		1405A>G		1972C>T	1.0000	18/7/31	
	267	267		278	278		643	90	3	738		2382		238		238		792		792		1126	1166		1295	0,44	2	1476		1476		2043	0.00	2043	
 mRNA, complete cds	Human RASF-A PLA2	mRNA, complete cds Human RASF-A PLA2	mRNA, complete cds	Human RASF-A PLA2	mKNA, complete cds Human RASF-A PLA2	mRNA, complete cds	Human RASF-A PLA2	mKNA, complete cds	mRNA complete cds	COAGULATION FACTOR	X PRECURSOR	Homo sapiens calcium-	Complete cds	Intercellular adhesion	motecule 1	Intercellular adhesion	molecule 1	Intercellular adhesion	molecule 1	Intercellufar adhesion	molecule 1	Intercellular adhesion	molecule 1 Intercellular adhesion	molecule 1	Intercellular adhesion	molecule 1	mierceliulai adiresion	Intercellular adhesion	molecule 1	Intercellular adhesion	molecule 1	Intercellular adhesion	molecuje 1	intercential adriesion	
25V	GEN.	25V GEN-	25V	GEN	255 A F	25V	Żij Ö	22.5	- VEC	GEN-3C		GEN-276		GEN-V		GEN-V		GEN-V		GEN-V	i	GEN-V	GEN-V		GEN-V	1	ָרָבְּוֹלֵיבְי	GEN-V	i i	GEN-V		GEN-V	ì	٠ ٠	•
	172411	172411		172411	172411		172411	175.44	1147/1	227600		108740		147840		147840		147840		147840		147840	147840		147840	07077	14,040	147840		147840		147840	07077	14/840	
	M22430 172411	M22430		M22430 172411	M22430 172411		M22430 172411		M22430	M22613		M23114 108740		M24283		M24283		M24283 147840		M24283		M24283	M24283		M24283 147840		10747101	M24283		M24283		M24283 147840		MZ4Z83 14/840	
	PLA2G2A	PLA2G2A	:	PLA2G2A	PI 42G24		PLA2G2A	0	PLAZGZA	M22613		ATP2A2		M24283		M24283		M24283		M24283		M24283	M24283		M24283		10124203	M24283		M24283		M24283	0000	M24283	

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	က	ო	ო	ო	ო	က	m	•	വ	L44R		ო	V453I		, ,	1694M		က		c	,		A62G	က	က	က		T367N	
	2480C>T	2610G>A	2771G>A	2771G>A	2864T>C	Z867G>A	2879C>T		(-132)C>A	131T>G		1641A>G	1357G>A		- 0	2082C>G		2502G>A		0149090	0.0000		185C>G	1163A>T	1207A>G	1765A>G		1100C>A	
	2551	2681	2842	2842	2935	2938	2950		79	341		1851	1357		0	7807		2502		9696	2020		259	1237	1281	1797		1103	
molecule 1	Intercellular adhesion molecule 1	Intercellular adhesion	Indecuse Intercellular adhesion	Intercellular adhesion	molecule 1 Intercellular adhesion	molecule 1 Intercellular adhesion	molecule 1	molecule 1	Human CD36 antigen	mKNA, complete cds Human CD36 antlgen	mRNA, complete cds	Human CD36 antigen	MRNA, complete cas Human unidentified gene	complementary to	P450c21 gene, partial cds	Human unidentified gene	complementary to P450c21 gene, partial cds	Human unidentified gene	complementary to	P450c21 gene, partial cds	complementary to	P450c21 gene, partial cds	Interleukin 8	Interleukin 8	Interleukin 8	Acyl-Coenzyme A	dehydrogenase, C-2 to C-3	3beta hydroxysteroid	dehydrogenase
	GEN-V	GEN-V	GEN-V	GEN-V	GEN-V	GEN-V	GEN-V		GEN-	GEN-	28R	GEN-	GEN-	2A0	i	- S	2A0	GEN-	2A0	Ü	2A0		GEN-3E	GEN-3E	GEN-3E	GEN-EW		GEN-5W	
	147840	147840	147840	147840	147840	147840	147840		173510	173510		173510	None	!		None		None		000	2		146930	146930	146930	201470		109715	
	M24283 147840	M24283	M24283	M24283	M24283 147840	M24283	M24283		M24795	M24795		M24795	M25813		0	MZ5813		M25813		MOE043 NOOO	2007		M26383	M26383	M26383	M26393		M27137 109715	
	M24283	M24283	M24283	M24283	M24283	M24283	M24283		CD36	CD36		CD36	M25813			M25813		M25813		4105040	000		M26383	M26383	M26383	M26393		M27137	

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1315C>T	1409A>G	1489T>G	4604T>G	· 15G>C	183C>T	185T>G	236C>T	670C>T	805G>A	44C>G	105C>T	365T>C	340C>G	371T>G
1414	1508	1588	4686	34	202	204	255	689	824	06	151	411	370	401
Human tissue factor gene, complete cds, with a Alu repetitive sequence in the 3 untranslated region		Human tissue factor gene, complete cds, with a Alu repetitive sequence in the 3 untranslated region		Human apolipoprotein A-l mRNA, complete cds	Human apolipoprotein A-I mRNA, complete cds	Human apolipoprotein A-I mRNA, complete cds	Human JE gene encoding a monocyte secretory protein mRNA, complete	Human JE gene encoding a monocyte secretory protein mRNA, complete	Human JE gene encoding a monocyte secretory protein mRNA, complete	Apolipoprotein C-III	Apollpoprotein C-III			
GEN-R7	GEN-R7	GEN-R7	GEN-3F	GEN-	GEN- SCK	유성	SĞ.	SČ.	SČ.	GEN-R8	GEN-R8	GEN-R8	GEN-6Q	GEN-6Q
134390	134390	134390	147810	107680	107680	107680	107680	107680	107680	158105	158105	158105	107720	107720
M27436 134390	M27436 134390	M27436 134390	M27492 147810	M27875	M27875	M27875	M27875 107680	M27875	M27875	M28226	M28226 158105	M28226 158105	M28614 107720	M28614
M27436	M27436	M27436	M27492	M27875	M27875	M27875	M27875	M27875	M27875	M28226	M28226	M28226	M28614	M28614

3 C866Y	ෆ	V274M	ო	V356I A6E S	V385L	A390P	1422V	I422V	D459G
449T>A 2597G>A	5694T>C	820G>A	2524G>A	1066G>A 17C>A 174G>A	1153G>C	1168G>C	1264A>G	1264A>G	1376A>G
479 2729	5826	936	2640	1088 26 183	1283	1298	1394	1394	1506
Apolipoprotein C-III Human cystic fibrosis mRNA, encoding a presumed transmembrane conductance regulator	Human cystic fibrosis mRNA, encoding a presumed transmembrane conductance regulator	SERINE/THREONINE PROTEIN PHOSPHATASE 2B CATALYTIC SUBUNIT,	SERINETHREGNINE PROTEIN PHOSPHATASE 2B CATALYTIC CATALYTIC COLONY	BE I A ISOFORM Interleukin 7 receptor Apolipoprotein A-II Apolipoprotein A-II	Apolipoprotein A-II Human cholesteryl ester transfer protein mRNA,	Human cholesteryl ester transfer protein mRNA, complete cds			
GEN-6Q GEN- 2DF	GEN- 2DF	GEN-F3	GEN-F3	GEN-3H GEN-6R GEN-6R	GEN- GEN- 2FK	GEN- 2FK	GEN- 2FK	GEN- 2FK	GEN- 2FK
107720 602421	602421	114106	114106	146661 107670 107670	118470	118470	118470	118470	118470
M28614 M28668	M28668	M29551 114106	M29551	M29696 M29882 M29882	M29882 M30185	M30185 118470	M30185	M30185 118470	M30185 118470
M28614 CFTR	CFTR	M29551	M29551	M29696 M29882 M29882	M29882 CETP	CETP	CETP	CETP	CETP

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1566G>A	79C>T	104C>G	111G>T	228C>T	454T>C	527G>T	541T>C	(-428)T>C	300C>A 759A>G	884T>C	1096C>G	2624C>G	35G>C	2069A>T	
1696	178	203	210	327	553	929	640	331	1658 923	1048	1260	2790	204	2178	£
Human cholesteryl ester transfer protein mRNA, complete cds	Human cardiodilatin-atrial natriuretic factor (CDD-	ANF) mKNA, complete cds Human cardiodilatin-atrial natriuretic factor (CDD-	Human cardiodilatin-atrial natriuretic factor (CDD-	Human cardiodilatin-atrial natriuretic factor (CDD-	ANF) mKNA, complete cds Human cardiodilatin-atrial natriuretic factor (CDD-	Human cardiodilatin-atrial natriuretic factor (CDD-	Human cardiodilatin-atrial natriuretic factor (CDD-	Calcineurin B type I	Calcineurin & type in Insulin-like growth factor	binding protein 1 precursor Insulin-like growth factor	binding protein 1 precursor Insulin-like growth factor	Binding protein 1 precursor Human cAMP-dependent protein kinase subunit RII-	Deta mknyk, complete cos Human growth hormone- dependent insulin-like growth factor-binding protein mRNA, complete	Human growth hormone-	
GEN- 2FK	GEN-WA	GEN-WA	GEN-WA	GEN-WA	GEN-WA	GEN-WA	GEN-WA	GEN-X	GEN-3	GEN-37	GEN-3J	GEN- 2GE	GEN- 2GD	GEN-	
118470	600295	600295	600295	600295	600295	600295	600295	114106	114105	146730	146730	176912	146732	146732	
M30185 118470	M30262	M30262	M30262	M30262	M30262	M30262	M30262	M30773	M30773 M31145	M31145	M31145	M31158	M31159	M31159	
CETP	M30262	M30262	M30262	M30262	M30262	M30262	M30262	M30773	M30773 M31145	M31145	M31145	PRKAR2 B	M31159	M31159	SD-144146.1

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		1043G>A	1241C>T	1314G>A	1459G>A	1750T>C	(-7)C>T	36C>T	2353T>G	2385C>T	2918T>C	35T>C	131C>A	176T>C	346C>T	882T>C
÷		1049	1271	1344	1489	1780	20	26	2440	2472	3005	53	149			006
	dependent insulin-like growth factor-binding protein mRNA, complete	Guanine nucleotide binding protein (G protein), beta	Steroid 5 alpha reductase	Human heparin-binding vascular endothellal growth factor (VEGF) mRNA,	Human heparin-binding vascular endothelial growth factor (VEGF) mRNA, complete cds,	Human cAMP-dependent protein kinase type I-alpha subunit (PRKAR1A) mRNA. complete cds	Human cAMP-dependent protein kinase type I-alpha subunit (PRKAR1A) mRNA complete cds	Human cAMP-dependent protein kinase type I-alpha subunit (PRKAR1A) mRNA, complete cds	Leukocyte integrin beta-3							
	2 <u>GD</u>	GEN-7G	GEN-5Y	GEN-5Y	GEN-5Y	GEN-5Y	GEN-2JF	GEN-2JF	GEN-RC	GEN-RC	GEN-RC	GEN-Y	GEN-Y	GEN-Y	GEN-Y	GEN-Y
		139130	184753	184753	184753	184753	192240	192240	188830	188830	188830	173470	173470	173470	173470	173470
		M31328 139130	M32313 184753	M32313	M32313 184753	M32313	M32977	M32977 192240	M33336	M33336 188830	M33336	M35999	M35999	M35999	M35999	M35999
. \$		M31328	M32313	M32313	M32313	M32313	VEGF	VEGF	M33336	M33336	M33336	M35999	M35999	M35999	M35999	M35999

M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	287	1<5696	E323D	
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1161	1143C>A	Ø	
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1161	1143C>A	ဟ	
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1551	1533G>A	တ	
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1551	1533G>A	ဟ	
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1562	1544G>A	R515Q	
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1563	1545G>A	ဟ	
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	1563	1545G>A	ဟ	
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	2226	2208C>T	ဟ	
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	2426	2408G>C	ო	
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	3056	3038C>T	က	
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	3098	3080A>G	က	
M35999	M35999	173470	GEN-Y	Leukocyte integrin beta-3	3403	3385A>T	က	
M35999	M35999	173470	GEN-Y	Leukocyte Integrin beta-3	3927	3909C>T	က	
PLCG2	M37238	600220	GEN-	Phospholipase C gamma-2	449	297A>G	တ	
PLCG2	M37238	600220	GEN S	Phospholipase C gamma-2	883	731A>G	H244R	
PLCG2	M37238	600220	S S S	Phospholipase C gamma-2	922	770A>T	H257L	
PLCG2	M37238	600220	GEN GEN GEN GEN GEN GEN GEN GEN GEN GEN	Phospholipase C gamma-2	954	802C>T	R268W	
PLCG2	M37238	600220	S S S	Phospholipase C gamma-2	1301	1149T>C	S	
PLCG2	M37238	600220	GEN- 201	Phospholipase C gamma-2	1649	1497T>C	Ø	
PLCG2	M37238	600220		Phospholipase C gamma-2	2666	2514G>A	ഗ	
PLCG2	M37238	600220	9 8 5 7 5 5	Phospholipase C gamma-2	3245	3093C>T	တ	
PLCG2	M37238	600220	GEN S	Phospholipase C gamma-2	3245	3093C>T	ဟ	
PLCG2	M37238	600220	GEN-	Phospholipase C gamma-2	3436	3284G>A	G1095D	
PLCG2	M37238	600220	GEN-	Phospholipase C gamma-2	4207	4055C>G	က	
PAM	M37721	M37721 170270	GEN- SOK	Human peptidylglycine alpha-amidating monooxygenase mRNA,	3183	2995T>A	ო	

	ო	တ	ω	ო	က	ო	က	က	ო	P56L	V333E	S	ഗ	ဟ	F503L	R90H
	3342A>G	648T>G	519T>C	744G>T	1078T>C	3076T>G	~4337A>C	4363A>G	4480A>C	167C>T	998T>A	1326G>T	1431C>T	1431C>T	1507T>C	269G>A
	3530	787	711	936	1270	3268	4529	4555	4672			1482	1587	1587	1663	- 591
complete cds	Human peptidylglycine alpha-amidating monooxygenase mRNA, complete cds	Human fibroblast growth factor-5 (FGF-5) mRNA, complete cds	Human K-ras oncogene protein mRNA, complete cds	acetylcholinesterase	acetylcholinesterase	acetylcholinesterase acetylcholinesterase	acetylcholinesterase	acetylcholinesterase	acetylcholinesterase	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds						
	GEN- 20K	GEN- 20M	GEN- 35G	GEN- 35G	GEN- 35G	GEN- 35G	35G	GEN- 35G	GEN- 35G	GEN-3Q	GEN-30	GEN-30	GEN-30	GEN-3Q	GEN-30	GEN- 35R
	170270	165190	190070	190070	190070	190070	190070	190070	190070	100740	100740	100740	100740	100740	100740	233700
	M37721 170270	M37825	M54968 190070	M54968	M54968	M54968	M54968	M54968	M54968	M55040	M55040	M55040	M55040	M55040	M55040	M55067
	PAM	M37825	M54968	M55040	M55040	M55040	M55040	M55040	M55040	NOF1						

ώ.	Ø	D166N	w	ဟ	w	S303L	A308V	Ø	S315L	Ø
345C>T	387G>A	496G>A	558G>A	825T>C	849G>A	908C>T	923C>T	936T>C	944C>T	1002G>A
1 367	1 409	518	F-580	8 847	1 871	930	1 945	958	996	1024
Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	Human 47-kD autosomal chronic granufomatous disease protein mRNA,	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	Human 47-kD autosomal chronic granulomatous disease protein mRNA,	Human 47-kD autosomal chronic granulomatous disease protein mRNA, complete cds	Human 47-kD autosomal chronic granulomatous disease protein mRNA,	Human 47-kD autosomal
GEN- 35R	GEN- 35R	GEN- 35R	GEN- 35R	GEN- 35R	GEN- 35R	GEN- 35R	GEN- 35R	GEN- 35R	GEN- 35R	GEN-
M55067 233700	M55067 233700	M55067 233700	M55067 233700	M55067 233700	M55067 233700	M55067 233700	M55067 233700	M55067 233700	M55067 233700	M55067 233700
NCF1	NO FI	NCF1	NCF1	NCF1	NCF1	NCF1	NCF1	NCF1	NCF1	NCF1

		T356K		S359F			ဗ			ဟ		ო				ဗ				က			1	D107E		v.	,	•	ဟ			တ			
		1067C>A		1076C>T			1228C>T			1755G>A		1813C>T				1941C>G				2042C>G			!!!!	321T>G		732C>T			2046C>G			2751T>C			
		1089		1098			1250			1936		1828				1956				2057			!	407		818)		2132			2837			
chronic granulomatous	complete cds	Human 47-kD autosomal chronic granulomatous	disease protein mKNA, complete cds	Human 47-kD autosomal	chronic granulomatous	complete cds	Human 47-kD autosomal	chronic granulomatous disease protein mRNA.	complete cds	Human factor KBF1	mRNA, complete cds	Human bilirubin UDP-	glucuronosyltransferase	isozyme 1 mRNA,	complete cds	Human bilirubin UDP-	glucuronosyltransferase	isozyme 1 mRNA,	complete cds	Human bilirubin UDP-	glucuronosyltransferase	isozyme 1 mRNA,	complete cds	Homo sapiens beta-myosin	meavy chain (MITHI)	GEN-38.1 Homo saniens beta-myosin	heavy chain (MYH7)	mRNA, complete cds	Homo sapiens beta-myosin	heavy chain (MYH7)	mRNA, complete cds	GEN-38J Homo saplens beta-myosin	heavy chain (MYH7)	mRNA, complete cds	
35R		GEN- 35R		GEN-	35R		GEN	35R		GEN-RP		GEN-	38A			GEN-	38A			GEN-	38A			GEN-38J		GEN-38.1			GEN-38J			GEN-38 J			
		233700		233700			233700			164011		191740				191740				191740				160760		160760			160760			160760			
		M55067		M55067			M55067 233700			M55643		M57899				M57899 191740				M57899 191740				M58018 160760		M58018 160760			M58018 160760			M58018 160760			
		NCF1		NCF1			NCF1			M55643		M57899				M57899				M57899				MYH7		MYH7			MYH7			MYH7			

တ	D1072Y	S1124A	S	တ	တ	A72S	တ	တ	M158V	M158V	တ	u.	ო	ш.	v.) m	ო	H488R
2827T>C	3214G>T	3370T>G	5421C>G	186T>C	186T>C	214G>T	219G>A	408C>G	472A>G	472A>G	609C>T	827delC	835C>A	(-203)-(- 199)delTTTTT	A39C>A	1887C>A	2025G>A	1463A>G
2913	3300	3456	5507	390	390	418	423	612	929	929	813	1031	1039	160	644	1892	2030	1562
GEN-38J Homo sapiens beta-myosin heavy cháin (MYH7) mRNA, complete cds	GEN-38J Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds	Homo sapiens beta-myosin heavy chain (MYH7) mRNA, complete cds	GEN-38J Homo saplens beta-myosin heavy chain (MYH7) mRNA, complete cds	Catechol-O- methyltransferase	Catechol-O-	Catechol-O-methyltransferase	Catechol-O-mothyltransferase	Catechol-O-	methyltransferase Catechol-O-	methyltransferase Catechol-O-	methyltransferase Catechol-O-	methyltransferase Catechol-O-	methyltransferase Catechol-O-	methyltransferase Human atrial natriuretlo peptide clearance receptor	(ANP C-receptor) mKiNA, complete cds	Cyclooxygenase 1 COX1	Cyclooxygenase 1 COX1	Vascular cell adhesion molecule 1
GEN-38J	GEN-38J	GEN-38J	GEN-38J	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN-3S	GEN- 39P	CEN. 7	GEN-Z	GEN-Z	GEN-3U
160760	160760	160760	160760	116790	116790	116790	116790	116790	116790	116790	116790	116790	116790	108962	178805			192225
M58018 160760	M58018 160760	M58018 160760	M58018 160760	M58525 116790	M58525	M58525 116790	M58525 116790	M58525 116790	M58525 116790	M58525	M58525	M58525	M58525	M59305 108962	0450070	M59979	M59979	M60335
MYH7	MYH7	WYH7	MYH7	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M58525	M59305	AA60070	M59979	M59979	M60335

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2079C>T	2079C>T	2097T>C	2208A>G	2222T>C	(-123)G>C	735T>C	756A>G	771A>G	773G>C	821A>C	861C>T	1209A>T	1212T>C	1354A>T	1356C>T
2178	2178	2196	2307	2321	323	1180	1201	1216	1218	1266	1306	1654	1657	1799	1801
Vascular cell adhesion	molecule 1 Vascular cell adhesion	Vascular cell adhesion	Vascular cell adhesion	Vascular cell adhesion	Human keratinocyte growth factor mRNA,	Human keratinocyte growth factor mRNA,	Human keratinocyte growth factor mRNA,	Complete cus Human keratinocyte growth factor mRNA,	Human keratinocyte growth factor mRNA, complete cde	Human keratinocyte growth factor mRNA, complete cds	Human keratinocyte growth factor mRNA, complete cds	Human keratinocyte growth factor mRNA, complete cds	Human keratinocyte growth factor mRNA, complete cde	Human keratinocyte growth factor mRNA,	Human keratinocyte
GEN-30	GEN-3U	GEN-3U	GEN-3U	GEN-3U	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN-	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN- 3BE	GEN.
192225	192225	192225	192225	192225	148180	148180	148180	148180	148180	148180	148180	148180	148180	148180	148180
M60335 192225	M60335	M60335	M60335	M60335	M60828	M60828 148180	M60828	M60828	M60828 148180	M60828	M60828	M60828	M60828 148180	M60828	M60828 148180
M60335	M60335	M60335	M60335	M60335	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7	FGF7

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	1422A>G	1500C>A	1528G>A	1722G>A	1741A>G	1857T>A	1883G>A	776G>A	1320G>T	1360G>A	1363G>A	1402A>T
	1867	1945	1973	2167	2186	2302	2328	859	1403	1443	1446	1485
growth factor mRNA,	Human keratinocyte growth factor mRNA,	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete	Human insulin-like growth factor binding protein 4 (IGFBP4) mRNA, complete		cas Human insulin-like growth factor binding protein 4						
3BE	GEN- 3BE	GEN- 3CJ	GEN- 3CJ	GEN- 3CJ	GEN- 3CJ	GEN-						
	148180	148180	148180	148180	148180	148180	148180	146733	146733	146733	146733	146733
	M60828	M62403	M62403	M62403	M62403	M62403						
	FGF7	IGFBP4	IGFBP4	IGFBP4	IGFBP4	IGFBP4						

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	2986C>T	2987G>A	3023T>C	852C>T			40104	796G>T	!	1059T>C	163A>T	V-0220	2000			1080C>T			1162G>A			1236C>T			1236C>T			1	1379T>G	-	
	3210	3211	3247	808		6	200	835		1098	172	2 . 0	000		•	1093			1175			1249			1249				1392	. ~	
(IGFBP4) mRNA, complete	Coagulation factor II (thrombin) receptor	Coagulation factor II	Coagulation factor II (thrombin) receptor	Homo sapiens insulin-like	growth factor binding protein 5 (IGFBP-5)	mRNA, complete cds	Human apolipoprotein H mRNA, complete cds	Human apolipoprotein H	mRNA, complete cds	Human apolipoprotein H	mKNA, complete cds	ב מלקני מכשניה	יייייי מיייי	macroglobulin receptor- associated protein mRNA,	complete cds	Human alpha-2-	macroglobulin receptor- associated protein mRNA,	complete cds	Human alpha-2-	macroglobulin receptor-	complete cds	Human alpha-2-	macroglobulin receptor- associated protein mRNA.	complete cds	Human alpha-2-	macroglobulin receptor-	associated protein mRNA,	complete cds	Human alpha-2-	macroglobulin receptor-	
	GEN-3W	GEN-3W	GEN-3W	GEN	300	į	÷ Ç	GEN-	30	SEN-	בים מפיקט		GEIN-5E			GEN-3EI			GEN-3EI			GEN-3EI			GEN-3EI			į	GEN-3EI		
	187930	187930	187930	146734			138/00	138700		138700	168820	10000	104223			104225			104225						104225			!	104225		
	M62424 187930	M62424 187930	M62424	M62782 146734			Mezasa	M62839 138700		M62839	M63012		ACACOINI			M63959 104225			M63959 104225			M63959 104225			M63959 104225			•	M63959 104225		
	M62424	M62424	M62424	M62782			A D T	APOH		APOH	M63012	בו אנות -	これない			LRPAP1			LRPAP1			LRPAP1			LRPAP1				LRPAP1		

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·	3108C>A	3715G>A	271T>G	1533C>T	200C>G	778G>A	1216A>G	398T>C	525A>T	620A>G	649A>G	692A>G	802G>A	1310>G	453C>G	1113A>G	1424C>G
	3108	3715	271	1533	199	777	1215	398	525	620	649	692	802	273	595	1255	1424
associated protein mRNA,	Human novel growth factor	Human novel growth factor receptor mRNA 3 cds	Granulocyte colony- stimulating factor	Granulocyte colony- stimulating factor	Human C-type natriuretic peptide gene, complete cds	Human C-type natriuretic peptide gene, complete cds	Human C-type natriuretic peptide gene, complete cds	Histamine receptor H2	Human hnRNP type A/B protein mRNA, complete		Human hnRNP type A/B protein mRNA, complete cds	Human cAMP-dependent					
	GEN-	S S S S S S S S S S S S S S S S S S S	GEN-3X	GEN-3X	GEN- KUW	GEN- KUW	GEN- KUW	GEN-	A GEN-	GEN-	GEN-	A SEN	GEN-	GEN- 3FM	GEN- 3FM	GEN- 3FM	GEN
	134934	134934	120420	120420	None	None	None	None	None	None	None	None	None	602372	602372	602372	176911
	M64347	M64347	M64592	M64592	M64710	M64710 None	M64710	M64799 None	M64799 None	M64799	M64799	M64799	M64799	M65028	M65028	M65028	M65066 176911
,	FGFR3	FGFR3	M64592	M64592	M64710	M64710	M64710	M64799	M64799	M64799	M64799	M64799	M64799	M65028	M65028	M65028	PRKAR1

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	1514G>C	1550G>C	1862G>A	2139C>T	1171A>G	314C>T	927A>G	927A>G	1353T>A	1365G>A	1419G>A	771C>T	751A>C	835A>C
	1514	1550	1862	2139	1171	384	266	266	1500	1512	1566	957	751	835
protein kinase regulatory subunit RI-beta mRNA, 3	Human cAMP-dependent protein kinase regulatory subunit RI-beta mRNA, 3	Human cAMP-dependent protein kinase regulatory subunit RI-beta mRNA, 3	Human cAMP-dependent protein kinase regulatory subunit RI-beta mRNA, 3	= 10 ->	Human complement component C5 mRNA,	Endothelin 2	Endothelin 2	Endothelin 2	Doparnine Receptor D5	Dopamine Receptor D5	Dopamine Receptor D5	Guanine nucleotide binding protein (G protein), alpha	Human Insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete	Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete
3FK	GEN- 3FK	GEN- 3FK	GEN- 3FK	GEN- 3FK	GEN- 3FT	GEN-	GEN FR	S - S	GEN-4EI	GEN-4EI	GEN-4EI	GEN-7L	GEN-3J0	GEN-3J0
	176911	176911	176911	176911	120900	131241	131241	131241	126453	126453	126453	139313	146735	146735
	M65066 176911	M65066 176911	M65066 176911	M65066 176911	M65134 120900	M65199 131241	M65199	M65199	M67439	M67439	M67439	M69013	M69054 146735	M69054 146735
ω	PRKAR1 B	PRKAR1 B	PRKAR1 B	PRKAR1 B	O5	EDN2	EDN2	EDN2	M67439	M67439	M67439	M69013	IGFBP6	IGFBP6

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850G>A	385A>C	886C>T	891T>G	891T>G	1026A>T	1323G>A	1410C>T	1410C>T	1559A>G	2352A>G		F COnce	1<200571	134C>T			1211C>G			307C>T		585G>C	1069C>G	(-301)C>G		663C>A		1567C>A	
850	435	936	941	941	1076	1373	1460	1460	1609	2379		000	1390	172			1249			699		756	1240	107		1070		1974	
mature peptide Human insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete	Monoamine oxidase A	Human steroid 5-alpha-	reductase 2 (SRD5A2)	mKNA, complete cds	GEN-64 Inteneukin 3 receptor, alpha	Human channel-like	Integral membrane protein (CHIP28) mRNA complete	spo	Human channel-like	integral membrane protein (CHIP28) mRNA, complete	spo	H.saplens oculorhombin (aniridia) mRNA, complete	cds	Thromboxane synthase	Thromboxane synthase	ATPase, Na+/K+	transporting, beta 2	ATPase, Na+/K+	transporting, beta 2	polypeptide ATPase, Na+/K+ 1974									
GEN-3J0	GEN-3Z	GEN	ပ္သ	Ĺ	GEN-54	GEN.	307		GEN-	307		GEN-		GEN-40	GEN-40	GEN-G4		GEN-G4		GEN-G4									
M69054 146735	309850	309850	309850	309850	309850	309850	309850	309850	309850	264600			308385	107776			107776			106210		274180	274180	182331		182331		182331	
M69054	M69226	M74047		111111111111111111111111111111111111111	M/4/82	M77829 107776			M77829 107776			M77844 106210		M80646	M80646	M81181		M81181		M81181 182331									
IGFBP6	M69226	SRD5A2			M/4/82	M77829			M77829			PAX6		M80646	M80646	M81181		M81181		M81181									

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	1957T>C	1685C>T	1921C>T	2035T>G	2332C>T	2562C>T	2656C>T	2730C>T	129C>T	371T>G	861G>C	1180G>A	254A>T	316G>A	474G>A	2989G>A	2307T>G	
	2364	1684	1920	2034	2331	2561	2655	2729	190	432	922	1241	276	338	496	3042	2316	
transporting, beta 2	ATPase, Na+/K+ ; transporting, beta 2						MRNA Human thrombospondin			Serotonin 5-HT receptors							exchanger) Human N-benzoyl-L- tyrosyl-p-amino-benzoic	i para palante se estre e también esparagada estre de la como esparaga esparagada estre de la como esparaga esparaga e esparaga esparaga e
	GEN-G4	GEN-	GEN-	GEN-	GEN-	SEN-	S H S	GEN-	S S S	GEN-	GEN-	GEN-	GEN- 3W6	GEN- 3W6	GEN- 3W6	GEN-G6	GEN-	
	182331	188061	188061	188061	188061	188061	188061	188061	182131	182131	182131	182131	603474	603474	603474	107310	600388	
	M81181	M81339	M81339	M81339	M81339	M81339	M81339	M81339	M81590	M81590	M81590	M81590	M81757	M81757	M81757	M81768	M82962	
	M81181	THBS2	THBS2	THBS2	THBS2	THBS2	THBS2	THBS2	M81590	M81590	M81590	M81590	M81757	M81757	M81757	M81768	M82962	SD-144146.1

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		2419A>C				1,192G>A		(-9)C>T			345C>A			354A>G			805C>T			837G>C			1094G>A	1121A>C	1710A>C			1569T>A		2515C>G		2535A>C		2572A>C		2661C>T		2677A>C
		2428				1340		46			388			408			828	•		891			1273	1121	2045			1653		2599	;	2619		2656	1	2745	į	2761
	acid nydrolase alpha subunit (PPH alpha) mRNA_complete cds	Human N-benzoyl-L-	tyrosyl-p-amino-benzoic	acid nydrolase alpha	mBNA complete cds	Nicotinic, Cholineraic	receptor alpha 5	Human	adipsin/complement factor	D mRNA, complete cds	Human	adipsin/complement factor	D mRNA, complete cds	Human	adipsin/complement factor	D mRNA, complete cds	Human	adipsin/complement factor	D mRNA, complete cds	Human	adipsin/complement factor	D mRNA, complete cds	Interleukin 9 receptor	Neuropeptide Y1	Human TGF-beta type II	receptor mRNA, complete	spo .	Human phospholipase A2	mRNA, complete cds	Human phospholipase A2								
	••	GEN-	3XC			GEN-	3YQ	GEN-	3ZL		GEN-	3ZL		GEN-	3ZF		GEN-	3ZL		GEN-	3ZL		GEN-45	GEN-46	GEN	3ZS		GEN-	40⊁	GEN.	40∀	GEN-	40∀	GEN	40Y	GEN.	40Y	GEN-
		600388				118505		134350			134350			134350			134350			134350			300007	162641	190182			601288		601288		601288		601288		601288		601288
		M82962 600388				M83712		M84526			M84526 134350			M84526			M84526			M84526 134350			M84747	M84755	M85079			M86400		M86400		M86400		M86400		M86400		M86400 601288
٠		M82962				CHRNA5		M84526			M84526			M84526			M84526	-		M84526			M84747	M84755	TGFBR2			YWHAZ		YWHAZ		YWHAZ		YWHAZ		YWHAZ		YWHAZ

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	1948T>G	2036A>G	(-265)T>G	322C>T	408C>T	454T>G	16T>C	133G>A	573T>C	573T>C	1062A>G	1062A>G	1150T>G	1166C>A	1166C>A	1166C>A	1173A>G	1397G>A	1517G>T	1605C>T	1636T>C	1878A>G	2062G>C	2089-	2094ATATTA >ATATTA 2089-
mRNA complete cds	Human connexin 26 1947	Human connexin 26 2035	Human oxysterol-binding 216 protein (OSBP) mRNA,	complete cds Human oxysterol-binding 802 protein (OSBP) mRNA,	Human oxysterol-binding 888 protein (OSBP) mRNA,	Human oxysterol-binding 934 protein (OSBP) mRNA,	complete cds Angiotensin receptor AT1 296	Anglotensin receptor AT1 413	Angiotensin receptor AT1 853	Angiotensin receptor AT1 853	Angiotensin receptor AT1 1342	Angiotensin receptor AT1 1342	Angiotensin receptor AT1 1430	Angiotensin receptor AT1 1446	Anglotensin receptor AT1 1446	Angiotensin receptor AT1 1446	Angiotensin receptor AT1 1453	Angiotensin receptor AT1 1677	Angiotensin receptor AT1 1797	Angiotensin receptor AT1 1885	Angiotensin receptor AT1 1916	Angiotensin receptor AT1 2158	Cyclooxygenase 2 COX2 2159	Cyclooxygenase 2 COX2 2186	Cyclooxygenase 2 COX2 2186
407	GEN-41L	GEN-41L	GEN-425	GEN-425	GEN-425	GEN-425	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19	GEN-19	GEN-1A	GEN-1A	GEN-1A
	M86849 121011	M86849 121011	M86917 167040	M86917 167040	M86917 167040	M86917 167040	M87290 106165	M87290 106165	M87290 106165	M87290 106165	M87290 106165	M87290 106165	M87290 106165	M87290 106165	M87290 106165	M87290 106165	M87290 106165	M87290 106165	M87290 106165	M87290 106165	M87290 106165	M87290 106165	M90100 600262	M90100 600262	M90100 600262
	GJB2	GJB2	OSBP	OSBP	OSBP	OSBP	M87290	M87290	M87290	M87290	M87290	M87290	M87290	M87290	M87290	M87290	M87290	M87290	M87290	M87290	M87290	M87290	M90100	M90100	M90100

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2094delATAT TA	2133A>G	2242T>C	2312G>A	2629C>T	2886C>T	3846C>T	5505G>A		6582A>G	6613G>C	6614G>C		,646G>T	1182T>C			3272A>G			3973C>T		1	450054		634T>G	147G>A			556G>A		955C>T
	2230	2339	2409	2726	2983	3846	5505		6582	6613	6614		646	1346			3436			4137		,	4 D		883	211			620		1019
	Cyclooxygenase 2 COX2	Cyclooxygenase 2 COX2	Cyclooxygenase 2 COX2	Cyclooxygenase 2 COX2	Cyclooxygenase 2 COX2.	Ca Channel alpha1c (alt.	splice) L-Type Ca Channel alpha1c (alt	splice) L-Type	Ca Channel alpha1c (alt.	Ca Channel alphatic (alt.	splice) L-Type Ca Channel alpha1c (alt.	splice) L-Type	Pancreatic lipase (PNLIP)	Homo sapiens	phospholipase C-beta-2	mRNA, complete cds	Homo sapiens	phospholipase C-beta-2	mRNA, complete cds	Homo sapiens	phospholipase C-beta-2	mkinA, complete cds	protein (CD59) mRNA,	complete cds	Interleukin 5 receptor alpha	Homo sapiens connexin 37	(GJA4) mRNA, complete	spo	Homo sapiens connexin 37 (GJA4) mRNA, complete		Homo sapiens connexin 37 (GJA4) mRNA, complete
	GEN-1A	GEN-1A	GEN-1A	GEN-1A	GEN-1A	GEN-SV	GEN-SV		GEN-SV	GEN-SV	GEN-SV		GEN-	GEN-	4A6		GEN	4A6		GEN	4A6	1	פרוץ-טר		GEN-65	GEN-	481	İ	GEN-	į	GEN- 4B1
	600262	600262	600262	600262	600262	114205	114205		114205	114205	114205		246600	604114			604114			604114		710101	10/5/1		147851	121012			121012	•	121012
	M90100	M90100	M90100	M90100	M90100	M92269	M92269		M92269	M92269	M92269		M93285	M95678			M95678			M95678			00/08/4		M96652	M96789		1	M96789		M96789 121012
	M90100	M90100	M90100	M90100	M90100	M92269	M92269		M92269	M92269	M92269		PNLIP	M95678			M95678			M95678		001107	00 / CSIM		M96652	GJA4			GJA4		GJA4

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	1115A>G	1159C>A	1347G>A	1413C>G	158C>A	632A>G	783T>C	783T>C	:819G>A	819G>A	1351T>G	1358-	1362CTTTA> CTTTA	1358-	1362delCTTT A	1382C>A	1382C>A	1520G>A		3316A>C	3463A>G	3817G>A		972G>A
	1179	1223	1. i	1477	157	699	820	820	856	856	1388	1395		1395		1419	1419	1521		3377	3524	3983		1089
cds	Homo saplens connexin 37 (GJA4) mRNA, complete cds	Homo sapiens connexin 37 (GJA4) mRNA, complete cds	Homo sapiens connexin 37 (GJA4) mRNA, complete cds	Homo sapiens cohnexin 37 (GJA4) mRNA; complete cds	prostaglandin D2 synthase	ACAT2	ACAT2	ACAT2	ACAT2	ACAT2	: ACAT2	ACAT2		ACAT2		ACAT2	ACAT2	pituitary adenylate cyclase	activating polypeptide [human, mRNA, 1940 nt]	Interleukin 10 receptor	Interleukin 10 receptor	Human SREBP-1 mRNA,	complete cds	Human sterol regulatory element binding protein-2 mRNA, complete cds
	GEN- 4B1	GEN- 4B1	GEN- 4B1	GEN- 4B1	GEN-SW	GEN-GY	GEN-GY	GEN-GY	GEN-GY	GEN-GY	GEN-GY	GEN-GY		GEN-GY		GEN-GY	GEN-GY	GEN-	SYA	GEN-4A	GEN-4A	GEN-UU		GEN-WD
	121012	121012	121012	121012	176803	100678	100678	100678	100678	100678	100678	100678		100678		100678	100678	102980		146933	146933	184756		600481
	M96789 121012	M96789	M96789	M96789	M98539	S70154	S70154	S70154	S70154	S70154	S70154	S70154		S70154		S70154	S70154	\$83513		U00672	U00672	000968		U02031
	GJA4	GJA4	GJA4	GJA4	M98539	S70154	S70154	S70154	S70154	S70154	S70154	S70154		S70154		S70154	S70154	ADCYAP	-	U00672	U00672	89600N		U02031

တ	V300I	ဟ	ო	တ	က	V503M	380L	ဟ	Ø	ω	Ø	ဟ	w	L267Q
135A>C	898G>A	600C>T	933T>C	1467C>T	3705A>C	1507G>A	239C>T	444G>C	489C>T	552T>C	726C>G	738C>T	741C>T	800T>A
333	1096	683	1016	1650	3888	1507	632	837	882	945	1119	1131	1134	1193
Human G protein-coupled receptor APJ gene, complete cds	Human G protein-coupled receptor APJ gene, complete cds	Fms-related tyrosine kinase 3 ligand	Fms-related tyrosine kinase 3 ligand.	Potassium channel subunit	(n-erg) Potassium channel subunit	(n-erg) Human 78 kDa gastrin- binding protein mRNA,	Complete cds Human protein kinase PITSLRE alpha 1 mRNA,	Complete cas Human protein kinase PITSLRE alpha 1 mRNA,	complete cds Human protein kinase PITSLRE alpha 1 mRNA,	Human protein kinase PITSLRE alpha 1 mRNA,	Human protein kinase PITSLRE alpha 1 mRNA,	Human protein kinase PITSLRE alpha 1 mRNA,	Human protein kinase PITSLRE alpha 1 mRNA,	Human protein kinase PITSLRE alpha 1 mRNA. complete cds
GEN- KUU	GEN- KUU	GEN-	GEN- MDM	GEN-H6	GEN-H6	GEN-155	GEN- 15P	GEN- 15P	GEN-	GEN-	GEN- 15P	GEN- 15P	GEN- 15P	GEN- 15P
U03642 None	U03642 None	U03858 600007	U03858 600007	U04270 152427	U04270 152427	.004627 600890	U04815 139380	U04815 139380	U04815 139380	U04815 139380	U04815 139380	U04815 139380	U04815 139380	U04815 139380
U03642	U03642	U03858	U03858	U04270	U04270	НАБНА	CDC2L1	CDC2L1	CDC2L1	CDC2L1	CDC2L1	CDC2L1	CDC2L1	CDC2L1

ω	K307N	D433E	L436Q	E438G	ω	w	S87C	Ø	Ø	ဟ	M151V	H170R	L172Q
873T>C	921G>T	1299C>A	1307T>A	1313A>G	1383C>T	15C>T	259A>T	327C>T	342T>C	441G>A	451A>G	509A>G	515T>A
1266	1314	1692	1700	1706	1776	38	282	350	365	464	474	532	538
Human protein kinase PITSLRE alpha 1 mRNA,	Human protein kinase PITSLRE alpha 1 mRNA, complete cds	Human protein kinase PITSLRE alpha 1 mRNA,	Human protein kinase PITSLRE alpha 1 mRNA, complete cds	Human protein kinase PITSLRE alpha 1 mRNA, complete cds	Human protein kinase PITSLRE alpha 1 mRNA, complete cds	Human dihydrodiol dehydrogenase mRNA,	Human dihydrodiol dehydrogenase mRNA,	Human dihydrodiol dehydrogenase mRNA, complete cds	Human dihydrodiol dehydrogenase mRNA, complete cds	Human dihydrodiol dehydrogenase mRNA,	Human dihydrodiol dehydrogenase mRNA, complete cds	Human dihydrodiol dehydrogenase mRNA, complete cds	Human dihydrodiol dehydrogenase mRNA,
GEN- 15P	GEN- 15P	GEN- 15P	GEN- 15P	GEN- 15P	GEN- 15P	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184
139380	139380	139380	139380	139380	139380	600450	600450	600450	600450	600450	600450	600450	600450
U04815 139380	U04815 139380	U04815 139380	U04815	U04815 139380	U04815 139380	U05598	U05598	U05598	U05598	U05598	U05598	U05598	U05598
CDC2L1	CDC2L1	CDC2L1	CDC2L1	CDC2L1	CDC2L1	DDH1	DDH1	DDH1	DDH1	DDH1	DDH1	DDH1	DDH1

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	.666T>C	783G>A	849G>T	929T>G	997G>A	1012G>A	1089C>T	846G>C	1763G>A	239G>A	366G>A	1764G>A	396T>C	927A>G	1125C>G
	689	908	872	952	1020	1035	1112	894	2008	333	460	1858	838	1369	1567
complete cds	Human dihydrodiol dehydrogenase mRNA,	Human dihydrodiol dehydrogenase mRNA,	Complete cus Human dihydrodiol dehydrogenase mRNA,	Human dhydrodiol dehydrogenase mRNA,	Human 17 beta-hydroxyšteroid dehydrogenáse type 3 mpNA cowoles cha	P2Y2 purinoceptor	Phospholipase C delta-1	Phospholipase C delta-1	Phospholipase C delta-1	Human vesicular acetylcholine transporter	Human vesicular Human vesicular acetylcholine transporter	Human vesicular			
	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-184	GEN-186	GEN-	GEN-	GEN-	GEN-	GEN- 4F3	GEN- 4F3	GEN-
	U05598 600450	U05598 600450	600450	U05598 600450	600450	600450	600450	264300	600041	602142	602142	602142	600336	600336	600336
	U05598	U05598	. U05598	U05598	U05598	U05598	U05598	U05659	U07225 600041	U09117	U09117	U09117	U09210	U09210	U09210 600336
	DDH1	DDH1	DDH1	DDH1	DDH1	DDH1	DDH1	HSD17B3	U07225	U09117	U09117	U09117	SLC18A3	SLC18A3	SLC18A3

	ო	ო	က	ო	က	ო	က	N51S	1310V	P377S	က	ω	R158Q	ιL
	1638G>T	1757G>A	1907G>T	2040G>A	2159G>A	2276G>A	2309G>A	152A>G	928A>G	1129C>T	1408C>T	120T>C	473G>A	550C>T
	2080	2199	2349	2556	2675	2792	2825	303	1079	1280	1559	120	473	550
acetylcholine transporter	Human vesicular acetylcholine transporter	Human vesicular acetylcholine transporter mRNA complete cds	Human vesicular acetylcholine transporter mRNA complete cds	Carnitine Carnitine Palmitovitransferase II	Carnitine Palmitovitransferase II	Carnitine	Camitine DalmitovItransferase II	Human protein kinase (JNK2) mRNA, complete cds	Human protein kinase (JNK2) mRNA, complete cds	Human protein kinase (JNK2) mRNA, complete	Human protein kinase (JNK2) mRNA, complete	Human methylenetetrahydrofolate reductase mRNA, partial cds	Human methylenetetrahydrofolate reductase mRNA, partial	Human Methylenetetrahydrofolate
4F3	GEN- 4F3	GEN-	GEN- 4F3	GEN-11	GEN-11	GEN-11	GEN-11	GEN- 1HA	GEN- 1HA	GEN- 1HA	GEN- 1HA	GEN- 4FZ	GEN- 4FZ	GEN- 4FZ
	600336	600336	600336	600650	600650	600650	600650	602896	602896	602896	602896	None	None	None
	U09210 600336	U09210 600336	U09210	U09648	U09648	U09648	U09648	U09759	U09759	U09759	U09759	U09806 None	009806	U09806 None
	SLC18A3	SLC18A3	SLC18A3	U09648	U09648	U09648	U09648	009759	U09759	U09759	009759	009800	009806	009800

	A223V	o O	E430A	ო	L14P	R46K	G116E	Ø	ო	ဟ
-	668C>T	1059T>C	1289C>A	1308T>C	41T>C	137G>A	347G>A	639T>A	1097G>A	13C>A
	899	1059	1289	1308	92	172	382	674	1132	338
reductase mRNA, partial	Human methylenetetrahydrofolate reductase mRNA, partial cds	Human methylenetetrahydrofolate reductase mRNA, partial cds	Human methylenetetrahydrofolate reductase mRNA, partial	Human methylenetetrahydrofolate reductase mRNA, partial cds	Human megakaryocyte growth and development factor (MGDF) mRNA, complete cds	Human megakaryocyte growth and development factor (MGDF) mRNA, complete cds	Human megakaryocyte growth and development factor (MGDF) mRNA, complete cds	Human megakaryocyte growth and development factor (MGDF) mRNA,	Human megakaryocyte growth and development factor (MGDF) mRNA,	Cardiac inward rectfier potassium channel (HH-
	GEN- 4FZ	GEN- 4FZ	GEN- 4FZ	GEN- 4FZ	GEN- 1JW	GEN- 1JW	GEN- 1.3W	GEN- 1JW	GEN- 1JW	GEN- 1MD
	U09806 None	U09806 None	U09806 None	U09806 None	U11025 600044	U11025 600044	U11025 600044	U11025 600044	U11025 600044	U12507 600681
	00880n	009800	90860N	008800	ТНРО	ТНРО	THPO	ТНРО	ТНРО	U12507

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	ω	H240Q	က	က	က	E41A	Ø	P259A	ന	ဟ	R248K 3	ω	വ
·	1272G>A	720T>A	2132A>C	2311C>T	1878A>C	122A>C	375G>A	775C>G	1130G>A	123T>C	743G>A 1313C>T	2706C>T	(-72)A>G
	1597	720	2356	2535	1878	149	402	802	1157	263	883 1439	3391	85
genteer ja kundat internet En avuutuurin en avuutuurin kundat vuo avuun kundat kundat kundat vuoteen kundat vuoteen kundat kundat kundat kundat kundat kundat kundat kundat kundat En avuutuurin kundat kunda	Cardiac inward rectifier potassium channel (HH-IRK1)	HMG CoA synthase (HSH1) mitochondrial	Human cysteine protease CPP32 isoform alpha mRNA, comolete cds	Human cysteine protease CPP32 isoform alpha mRNA, complete cds	Human connective tissue growth factor mRNA, partial cds	Human peroxisomal enoyl- CoA hydratase-like protein (HPXEL) mRNA, complete	Human peroxisomal enoyl- CoA hydratase-like protein (HPXEL) mRNA, complete	Human peroxisomal enoyl- CoA hydratase-like protein (HPXEL) mRNA, complete	Human peroxisomal enoyl-CoA hydratase-like protein (HPXEL) mRNA, complete cds	Angiotensin receptor AT2	Angiotensin receptor AT2 Human steroidogenic acute regulatory protein (StAR) mRNA, complete	Human neuronal nitric oxide synthase (NOS1)	PROSTAGLANDIN E2 RECEPTOR, EP2
	GEN- 1MD	GEN-4F	GEN- 1PC	GEN- 1PC	GEN- 1S3	GEN- 1YD	GEN- 1YD	GEN- 1YD	GEN- 1YD	GEN-1L	GEN-1L GEN-208	GEN-209	GEN-41
	07 600681	89 600234	37 600636	37 600636	U14750 121009	U16660 600696	U16660 600696	U16660 600696	969009 09	57 300034	157 300034 180 600617	127 163731	U19487 176804
	U12507	U12789	U13737	U13737	U147	U166	U166	U166	U16660	U16957	U16957 U17280	U17327	U194
	U12507	U12789	U13737	U13737	CTGF	U16660	U16660	U16660	U16660	U16957	U16957 STAR	NOS1	U19487

	ဟ	D230N	V379A	ဟ	က	ო	က	က	R60L	တ	F148L	တ	L170V	က	ო
	75A>T	688G>A	1136T>C	2583C>T	904C>T	1039G>A	1244T>C	1285T>C	179G>T	795T>C	442T>C	447A>G	508C>G	544C>T	580T>C
	231	731	1297	2583	982	1117	1322	1363	305	918	476	481	542	578.	614
SUBTYPE	PROSTAGLANDIN E2 RECEPTOR, EP2 SUBTYPE	Human MAP kinase Mxi2 (MXI2) mRNA, complete cds	Human platelet-activating factor acetylhydrolase mRNA, complete cds	Human iron-regulatory protein 2 (IRP2) mRNA, partial cds	Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds	Human cystelne protease Mch2 isoform alpha (Mch2) mRNA, complete cds	Human cysteine protease Mch2 isoform alpha (Mch2) mRNA, complete cds	Human cysteine protease Mch2 isoform alpha (Mch2) mRNA complete cds	Thromboxane A2 TP receptor, platelet and non-platelet	Thromboxane A2 TP receptor, platelet	Human Bcl-2 related (Bfl-1) mRNA, complete cds	Human Bcl-2 related (Bfl-1) mRNA, complete cds	Human Bcl-2 related (Bfl-1) mRNA, complete cds	Human Bcl-2 related (Bfl-1) mRNA, complete cds	Human Bcl-2 related (Bfl-1) mRNA, complete cds
	GEN-41	GEN- 22C	GEN-234	GEN-236	GEN- 23K	GEN- 23K	GEN- 23K	GEN- 23K	GEN-7N	GEN-7N	GEN- 2BX	GEN- 2BX	GEN- 2BX	GEN- 2BX	GEN- 2BX
	U19487 176804	5 600289	7 601690	U20180 147582	5 601532	5 601532	5 601532	5 601532	U27325 188070	188070	U27467 601056	7 601056	7 601056	7 601056	7 601056
	U1948	U19775	U20157	U2018(U20536	U20536	U20536	U20536	U2732	U27325	U27467	U27467	U27467	U27467	U27467
	U19487	U19775	U20157	U20180	U20536	U20536	U20536	U20536	U27325	U27325	U27467	U27467	U27467	U27467	U27467

ო	က	P402Q	က	S	თ	တ	တ	S	က		က	u	_	တ	E90		ဟ	F368C	တ	w	တ
582G>A	1168G>T	1205C>A	1452C>T	159C>T	585T>C	585T>C	936T>C	936T>C	1458-	1460TAT>TA T	1458-	1460dellA1 2534^2535ins	CA CA	927G>A	25G>C		421T>C	1103T>G	324G>A	291T>C	636G>C
616	1250	1266	1513	407	833	833	1184	1184	1706		1706	2782	7017	991	34		430	1112	364	300	645
Human Bcl-2 related (Bfl-1)	Interleukin 15 receptor	Interleukin 11 receptor	interleukin 11 receptor	Neuropeptide Y2	Parling Automati	Neuropeptide Y2	Nouronantide V2	T principal in	Human tryptophan oxygenase (TDO) mRNA,	Human lipid-activated, protein kinase PRK2	mRNA, complete cds	Human lipid-activated, protein kinase PRK2 mRNA complete cds	Human lipid-activated, protein kinase PRK2	Human glutathione synthetase mRNA, complete cds	Human fibroblast growth factor 8 (FGF-8) mRNA,	Human fibroblast growth factor 8 (FGF-8) mRNA,					
GEN-	GEN-4J	GEN-4K	GEN-4K	GEN-1P	GEN-1P	GEN-1P	GEN-1P	GEN-1P	GEN-1P		GEN-1P	GEN. 10		GEN- 2JH	GEN-2JL		GEN-2JL	GEN-2JL	GEN- 2LF	GEN- 2MX	GEN- 2MX
U27467 601056	U31628 601070	U32324 600939	U32324 600939	U32500 162642	U32500 162642	U32500 162642	. U32500 162642	U32500 162642	U32500 162642		U32500 162642	1132500 162642		U32989 191070	U33052 602549		U33052 602549	U33052 602549	U34683 601002	U36223 600483	U36223 600483
U27467	U31628	U32324	U32324	U32500	U32500	U32500	U32500	U32500	U32500		U32500	1132500	032300	U32989	U33052		U33052	U33052	GSS	FGF8	FGF8

	ဟ	ω	, w	က	က	က	ო	က	F1002C	P600H	w	L279P	w
	639A>G	693G>A	1242T>C	1251T>C	1537A>T	1578G>T	1672G>A	1721G>A	3005T>G	1799C>A	783C>T	836T>C	987G>A
	648	736	1285	1294	1580	1621	1715	1764	3100	2076	825	878	1029
complete cds	Human fibroblast growth factor 8 (FGF-8) mRNA, complete cds	Human Mch3 isoform alpha (Mch3) mRNA, complete cds	Human Mch3 isoform alpha (Mch3) mRNA, complete cds	Human Mch3 isoform alpha (Mch3) mRNA,	Human Mch3 isoform alpha (Mch3) mRNA,	Human Mch3 isoform alpha (Mch3) mRNA, complete cds	Human Mch3 isoform alpha (Mch3) mRNA,	Human Mch3 isoform alpha (Mch3) mRNA,	Human ARF-activated phosphatidylcholine-specific phospholipase D1a (hPLD1) mRNA,	Human hormone-sensitive lipase testicular isoform mRNA, complete cds	Guanine nucleotide binding protein (G protein), q	Guanine nucleotide binding protein (G protein), q	Guanine nucleotide binding protein (G protein), q
	GEN- 2MX	GEN- 20C	GEN- 20C	GEN-	GEN- 20C	GEN- 20C	GEN- 20C	GEN- 20C	GEN- 2PB	GEN- 2RH	GEN-70	GEN-70	GEN-70
	U36223 600483	U37448 601761	601761	U37448 601761	U37448 601761	U37448 601761	U37448 601761	601761	602382	U40002 151750	866009	866009	U40038 600998
	U36223	U37448	U37448	U37448	U37448	U37448	U37448	U37448	U38545	U40002	U40038	U40038	U40038
	FGF8	U37448	U37448	U37448	U37448	U37448	U37448	U37448	U38545	U40002	U40038	U40038	U40038

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U40038 GEN-7O Guanine nucleo U40038 600998 GEN-7O Guanine nucleo U40038 600998 GEN-7O Guanine nucleo U40347 600950 GEN- Human U40396 602691 GEN-6W Ster U40396 602691 GEN-6W Ster <	n w m m	1269T>C 1783A>T 1785T>A	1276 1790 1792	Nicotinic, Cholinergic receptor alpha 7 Nicotinic, Cholinergic receptor alpha 7 Nicotinic, Cholinergic receptor alpha 7 receptor alpha 7	GEN-40 GEN-40 GEN-40		U40583 U40583 U40583	U40583 U40583 U40583
U40038 600998 GEN-7O Guanine nucleotide binding 1051 1009A-6 Protein (G protein), q polypeptide 1026T-A protein (G protein), q polypeptide U40038 600998 GEN-7O Guanine nucleotide binding 1093 protein (G protein), q protein (G EN-6W Steroid receptor 285 229A-C coactivator (SRC-1) U40396 602691 GEN-6W Steroid receptor 336 Coactivator (SRC-1) Steroid receptor 688 G32C>T coactivator (SRC-1) U40396 602691 GEN-6W Steroid receptor 689 Coactivator (SRC-1) Steroid receptor 970 GEN-6W Steroid receptor 1511 GEN-6W Steroid receptor 2377 C321C>T coactivator (SRC-1) U40396 602691 GEN-6W Steroid receptor 277 Coactivator (SRC-1) Coactivator (SRC-1) GEN-6W Steroid receptor 277 Caactivator (SRC-1) U40396 602691 GEN-6W Steroid receptor 277 Coactivator (SRC-1) Coactivator (SRC-1) GEN-6W Steroid receptor 277 Caactivator (SRC-1) U40396 602691 GEN-6W Steroid receptor 270 Coactivator (SRC-1) GEN-6W Steroid receptor 270 GEN-6M Steroid receptor 270 GEN-6M Steroid receptor 270 GEN-6M GOACTIVATOR (SRC-1) GEN-6W Steroid receptor 270 GEN-6M GOACTIVATOR (SRC-1) GEN-6W GOACTIVATOR (SRC	တ် (690A>G	269	Nicotinic, Cholinergic receptor alpha 7	GEN-40	118511	U40583	U40583
U40038 600998 GEN-7O Guanine nucleotide binding 1051 1009A>G D40038 600998 GEN-7O Guanine nucleotide binding 1068 1026T>A D40038 600998 GEN-7O Guanine nucleotide binding 1093 1051T>C D40038 600998 GEN-7O Guanine nucleotide binding 1093 1051T>C D40347 600950 GEN- Human serotonin N- 382 2RK acetyltransferase mRNA, Complete cds 148G>A D40396 602691 GEN-6W Steroid receptor 334 258A>T coactivator (SRC-1) 258A>T coactivator (SRC-1) D40396 602691 GEN-6W Steroid receptor 336 coactivator (SRC-1) Steroid receptor 336 258A>T coactivator (SRC-1) D40396 602691 GEN-6W Steroid receptor 688 coactivator (SRC-1) Steroid receptor 370 914C>A D40396 602691 GEN-6W Steroid receptor (SRC-1) Steroid receptor 688 coactivator (SRC-1) D40396 602691 GEN-6W Steroid receptor (SRC-1) 2321C>T coactivator (SRC-1) D40396 602691 GEN-6W Steroid receptor (SRC-1) 2321C>T coactivator (SRC-1) D40396 602691 GEN-6W Steroid receptor (SRC-1) 2321C>T coactivator (SRC-1) D40396 602691 GEN-6W Steroid receptor 237 2521C>T coactivator (SRC-1) D40396 602691 GEN-6W Steroid receptor 237 2521C>T coactivator (SRC-1) D40396 602691 GEN-6W Steroid receptor 237 2521C>T coactivator (SRC-1) D40396 602691 GEN-6W Steroid receptor 237 2521C>T coactivator	တ	654T>C	661	coactivator (SRC-1) Nicotinic, Cholinergic	GEN-40		U40583	U40583
U40038 600998 GEN-7O Guanine nucleotide binding 1051 1009A>G D40038 600998 GEN-7O Guanine nucleotide binding 1068 1026T>A D40038 600998 GEN-7O Guanine nucleotide binding 1093 1051T>C D40038 600998 GEN-7O Guanine nucleotide binding 1093 1051T>C D40347 600950 GEN- Human serotonin N- 382 148G>A D40396 602691 GEN-6W Steroid receptor 285 229A>C Coactivator (SRC-1) 258A>T D40396 602691 GEN-6W Steroid receptor 336 280C>T U40396 602691 GEN-6W Steroid receptor 688 632C>T U40396 602691 GEN-6W Steroid receptor 688 632C>T U40396 602691 GEN-6W Steroid receptor 970 914C>A Coactivator (SRC-1) Coactivator (SRC-1) 914C>A U40396 602691 GEN-6W Steroid receptor 970 914C>A Coactivator (SRC-1) Steroid receptor 171 1455G>A U40396 602691 GEN-6W Steroid receptor 171 1455G>A Coactivator (SRC-1) Steroid receptor 171 1455G>A	P892S	2674C>T	2730	coactivator (SRC-1) Steroid receptor	GEN-6W		U40396	040396
U40038 GEN-7O Guanine nucleotide binding 1051 1009A>G U40038 GEN-7O Guanine nucleotide binding 1068 1026T>A U40038 GEN-7O Guanine nucleotide binding 1068 1026T>A U40038 GEN-7O Guanine nucleotide binding 1093 1051T>C D40038 GEN-7O Guanine nucleotide binding 1093 1051T>C D40039 GEN-7O Guanine nucleotide binding 1093 1051T>C D40347 GO0950 GEN-7O Guanine nucleotide binding 1093 1051T>C D40396 GEN-7O Guanine nucleotide binding 1093 1051T>C D40396 GEN-7O Guanine nucleotide binding 1093 1051T>C D40396 GEN-7O Guanine nucleotide binding 1093 148G>A Coactivator (SRC-1) Steroid receptor 33C 229A>C Coactivator (SRC-1) CEN-6W Steroid receptor 33C 258A>T Coactivator (SRC-1) CAGC (SRC-1) Steroid receptor 970 914C>A Coactivator (SRC-1) Steroid receptor 1511 1455G>A	T774M	2321C>T	2377	coactivator (SRC-1) Steroid receptor	GEN-6W		U40396	U40396
U40038 GEN-7O Guanine nucleotide binding 1051 1009A>G U40038 GEN-7O Guanine nucleotide binding 1068 1026T>A U40038 GEN-7O Guanine nucleotide binding 1068 1026T>A D40038 GEN-7O Guanine nucleotide binding 1068 1051T>C D40038 GEN-7O Guanine nucleotide binding 1093 1051T>C D4039 GEN-7O Guanine nucleotide binding 1093 1051T>C D40347 600950 GEN-7O Guanine nucleotide binding 1093 1051T>C D40347 600950 GEN-7O Human serotonin N-382 148G>A Complete cds Complete cds 229A>C 229A>C U40396 602691 GEN-6W Steroid receptor 314 258A>T Coactivator (SRC-1) Coactivator (SRC-1) 602691 GEN-6W Steroid receptor 336 229A>C U40396 602691 GEN-6W Steroid receptor 336 258A>T 602691 CEN-6W Steroid receptor 688 602C>T 602C 602C 602C 602C 602C 602	တ	1455G>A	1511	coactivator (SRC-1) Steroid receptor	GEN-6W		U40396	U40396
U40038 GEN-7O Guanine nucleotide binding protein), q polypeptide 1009A>G U40038 600998 GEN-7O Guanine nucleotide binding 1068 1026T>A protein), q polypeptide U40038 600998 GEN-7O Guanine nucleotide binding 1093 1051T>C U40347 600950 GEN-7O Guanine nucleotide binding 1093 1051T>C U40347 600950 GEN-7O Human serotonin N-382 148G>A U40396 602691 GEN-6W Steroid receptor 285 229A>C U40396 602691 GEN-6W Steroid receptor 314 258A>T U40396 602691 GEN-6W Steroid receptor 336 280C>T U40396 602691 GEN-6W Steroid receptor 6SB 632C>T	A305E	914C>A	970	coactivator (SRC-1) Steroid receptor	GEN-6W		U40396	U40396
U40038 GEN-7O Guanine nucleotide binding protein), q polypeptide 1009A>G U40038 GEN-7O Guanine nucleotide binding 1058 1026T>A U40038 GEN-7O Guanine nucleotide binding 1068 1026T>A U40347 G00950 GEN-7O Guanine nucleotide binding 1093 1051T>C U40347 G00950 GEN-7O Human serotonin N-382 148G>A U40347 G00950 GEN-8 Human serotonin N-382 148G>A Complete cds Complete cds 148G>A 229A>C U40396 602691 GEN-6W Steroid receptor 285 229A>C Coactivator (SRC-1) Coactivator (SRC-1) 258A>T U40396 G02691 GEN-6W Steroid receptor 314 258A>T Coactivator (SRC-1) Steroid receptor 336 280C>T	T2111	632C>T	688	coactivator (SRC-1) Steroid receptor	GEN-6W		U40396	U40396
U40038 600998 GEN-7O Guanine nucleotide binding protein), q 1009A>G Protein (G protein), q 1026T>A D40038 600998 GEN-7O Guanine nucleotide binding 1093 1026T>A U40038 600998 GEN-7O Guanine nucleotide binding 1093 1051T>C D40347 600950 GEN- Human serotonin N- 382 ZRK acetyltransferase mRNA, complete cds 148G>A U40396 602691 GEN-6W Steroid receptor 285 coactivator (SRC-1) 229A>C U40396 602691 GEN-6W Steroid receptor 314 258A>T	P94S	280C>T	336	coactivator (SRC-1) Steroid receptor	GEN-6W		U40396	U40396
U40038 600998 GEN-7O Guanine nucleotide binding protein), q 1009A>G D40038 600998 GEN-7O Guanine nucleotide binding protein (G protein), q 1026T>A U40038 600998 GEN-7O Guanine nucleotide binding 1093 protein (G protein), q 1051T>C U40347 600950 GEN- Human serotonin N- 382 ZRK acetyltransferase mRNA, complete cds 148G>A U40396 602691 GEN-6W Steroid receptor 285 229A>C	K86N	258A>T	314	coactivator (SRC-1) Steroid receptor	GEN-6W		U40396	U40396
U40038 600998 GEN-7O Guanine nucleotide binding 1051 1009A>G protein (G protein), q polypeptide U40038 600998 GEN-7O Guanine nucleotide binding 1068 1026T>A protein (G protein), q polypeptide U40038 600998 GEN-7O Guanine nucleotide binding 1093 1051T>C protein (G protein), q protein (G protein), q polypeptide U40347 600950 GEN- Human serotonin N- 382 148G>A protein General Management (Management Management Manageme	K77Q	229A>C	285	complete cds Steroid receptor	GEN-6W		U40396	U40396
U40038 600998 GEN-7O Guanine nucleotide binding 1051 1009A>G protein (G protein), q polypeptide U40038 600998 GEN-7O Guanine nucleotide binding 1058 1026T>A protein (G protein), q polypeptide U40038 600998 GEN-7O Guanine nucleotide binding 1093 1051T>C protein (G protein), q	E50K	148G>A	382	polypeptide Human serotonin N-	GEN-	600950	U40347	U40347
U40038 600998 GEN-7O Guanine nucleotide binding 1051 1009A>G protein (G protein), q polypeptide U40038 600998 GEN-7O Guanine nucleotide binding 1068 1026T>A protein (G protein), q	Ø	1051T>C	1093		GEN-70		U40038	U40038
U40038 600998 GEN-7O Guanine nucleotide binding 1051 1009A>G	Ø	1026T>A	1068	Guanine nucleotide binding protein (G protein), q	GEN-70	866009	U40038	U40038
	13377	1009A>G	1051	Guanine nucleotide binding	GEN-70	600998	U40038	040038

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	1128C>T		1228A>G	1408C>G)	1523G>A		1631G>A	V-0000	7	484T>C	486A>G	489A>G	492G>A	560G>C	563C>A	993G>A	1053T>C	1056G>A	1095C>T	1149C>T	1959C>T	2187A>C	2219A>G	1991A>G		2392A>T		1071G>C
•	ılar 1499 tor RP	spo	tor 1424	ods ofor 1604		otor 1719		otor 1827	SdS Jer 2206		t5b 494	t5b 496	t5b 499	t5b 502	t5b 570	t5b 573	t5b 1003	t5b 1063	t5b: 1066	t5b 1105	15b; 1159	t5b: 1969	ors 2915 2C	iors: 2947 2C:	ase 2017	iine: Ise)	ase 2418		um- 1099 eta- lete
	Human vascular 1499 endothelial growth factor related protein VRP	mRNA, complete cds	Human P2x1 receptor	mRNA, complete cds Human P2x1 recentor	mRNA, complete cds	Human P2x1 receptor	mRNA, complete cds	Human P2x1 receptor	THRINA, complete cas	mRNA complete cds	Franscription Factor Stat5b	Franscription Factor Stat5b	ranscription Factor Stat5b: 1066	Franscription Factor Stat5b	Transcription Factor Stat5b;	Transcription Factor Stat5b	Serotonin 5-HT receptors 5-HT2C	Serotonin 5-HT receptors 5-HT2C:	Methionine synthetase	(aka homocysteine methyltransferase)	Methionine synthetase	methyltransferase)	Human sodium/potassium- transporting ATPase beta- 3 subunit mRNA, complete						
	GEN- 2UM		GEN-4FI	GEN.4FI		GEN-4FI		GEN-4FI		1.4-2.119	GEN-JA Tra	•	GEN-JA TR	GEN-JA TR	GEN-JA Tr	GEN-JA Tr	GEN-10	GEN-10	GEN-JF		GEN-JF		GEN- H 31Z tr 3						
	601528		600845	600845		600845		600845	1,000	000043	601511	601511	601511	601511	601511	601511	601511	601511	601511	601511	601511	601511	312861	312861	602888		602888		601867
	U43142 601528		U45448	1145448	2	U45448		U45448		045440	U48730	U48730	U48730	U48730	U48730	U48730	U48730	U48730	U48730	U48730	U48730	U48730	U49516	U49516	U50929		U50929 602888		U51478 601867
	U43142		U45448	11/5/48	2	U45448		U45448		043448	U48730	U48730	U48730	U48730	U48730	U48730	U48730	U48730	U48730	U48730	U48730	U48730	U49516	U49516	U50929		U50929		U51478

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1093T>C	1105G>T	408C>T	1476C>T	9<009 _.	825T>C	1011C>G	1101G>A	2096C>A	157G>A	177A>G	1742C>G	1833C>T	1950G>T	1984G>A
1121	1133	411	1510	140	905	1091	1181	2176	304	324	2296	2387	2504	2538
cds Human sodium/potassium- transporting ATPase beta- 3 subunit mRNA, complete	Human sodium/potassium- transporting ATPase beta- 3 subunit mRNA, complete	Human cysteine protease ICE-LAP6 mRNA, complete cds	Human calmodulin dependent phosphodiesterase PDE1B1 mRNA, complete	Human desmin mRNA,	Human desmin mRNA,	Human desmin mRNA,	Human desmin mRNA,	Complete Cos Hurnan desmin mRNA, complete cos	Human apoptotic cysteine protease Mch4 (Mch4)	Human apoptotic cysteine protease Mch4 (Mch4)	Nicotinic, Cholinergic	Nicotinic, Cholinergic	Nicotinic, Cholinergic	Nicotinic, Cholinergic receptor alpha 2
GEN- 31Z	GEN- 31Z	GEN- 36X	GEN-379	GEN-	GEN-	GEN P	GEN-	GEN-	GEN- 3AZ	GEN- 3AZ	GEN-	GEN-	GEN-	GEN- 4EN
601867	601867	602234	171891	125660	125660	125660	125660	125660	601762	601762	118502	118502	118502	118502
U51478	U51478	U56390	U56976	U59167	U59167	U59167	U59167	U59167	U60519	U60519	U62431	U62431	U62431	U62431
U51478	U51478	U56390	U56976	DES	DES	DES	DES	DES	U60519	U60519	CHRNA2	CHRNA2	CHRNA2	CHRNA2

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639C>T	639C>T	678C>T	678C>T	1209T>G	1209T>G	1227C>T	1353G>A	1550C>T	1629C>T	1629C>T	1659G>A	1659G>A	3295G>C	3486C>T	4105G>T	4108T>A	2615T>G	2748T>A	2817A>G	3080A>G	
870	870	606	606	1440	1440	1458	1584	1781	1860	1860	1890	1890	3356	3547	4138	4141	2706	2839	2908	3171	
Nicotinic, Cholinergic	receptor alpha 4 Nicotinic, Cholinergic	receptor alpha 4 Nicotinic, Cholinergic	Nicotinic, Cholinergic	Nicotinic, Cholinergic	receptor alpha 4 Nicotinic, Cholinergic	receptor alpha 4 Nicotinic, Cholinergic	receptor alpha 4 Nicotinic, Cholinergic	receptor alpha 4 Human oxytocinase splice variant 1 mRNA, complete	cds Human oxytocinase splice variant 1 mRNA, complete	cds Thrombopoietin	Thrombopoietin	prostaglandin transporter	prostaglandin transporter	prostaglandin transporter	prostaglandin transporter						
GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN-4P	GEN- 3CR	GEN- 3CR	GEN-4R	GEN-4R	GEN-4S	GEN-4S	GEN-4S	GEN-4S	
U62433 118504	U62433 118504	U62433 118504	U62433 118504	U62433 118504	U62433 118504	U62433 118504	U62433 118504	U62433 118504	U62433 118504	U62433 118504	U62433 118504	U62433 118504	U62768 151300	U62768 151300	U70136 600044	U70136 600044	J70867 601460	U70867 601460	U70867 601460	U70867 601460	
U62433 U62	U62433 U62	U62433 U62	U62433 U62	U62433 U62	U62433 U62	U62433 U62	U62433 U62	U62433 U62	U62433 U62	U62433 U62	U62433 U62	U62433 U62	U62768 U62	U62768 U62	J70136 U70	_	J70867 U70	U70867 U70	070 T9807U	U70867 U70	
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U70867 U70867 601460 GEN-4S prostaglandin transporter 3171 3080A-5 3 U70867 U70867 601460 GEN-4S prostaglandin transporter 3253 3162A-5 3 U70867 U70867 601460 GEN-4S prostaglandin transporter 3253 3164A-6 3 U70867 U70867 601460 GEN-4S prostaglandin transporter 3253 3164A-6 3 U70867 U70867 601460 GEN-4S prostaglandin transporter 3554 3503T-A 3 U70867 U70867 601460 GEN-4S prostaglandin transporter 3594 3503T-A 3 U700867 U70867 GEN-89 human FK806-binding 1425 1272G-A S U7000867 U70000 GEN-89 human FK806-binding 1425 1272G-A S U700000 U70000 GEN-89 hethionine Symhase 1158 164G-A C2557 U700000 GEN-89 hethionine Symhase 1158 164G-A GEN-89 hethionine Symhase 1158 164G-A GEN-89 hethionine Symhase 1158 160G-A GEN-89 hethionine Symhase 1158 170G-A 3 3007G-A 3000000000000000000000000000000000000																													
U70867 601460 GEN-4S prostaglandin transporter 3171 U70867 601460 GEN-4S prostaglandin transporter 3253 U70867 601460 GEN-4S prostaglandin transporter 3254 U70867 601460 GEN-4S prostaglandin transporter 3255 U70867 601460 GEN-4S prostaglandin transporter 3255 U70867 601460 GEN-4S prostaglandin transporter 3254 U70867 601460 GEN-4S prostaglandin transporter 3254 U70867 601460 GEN-8 protein FKBP51 mRNA, complete cds Methionine Synthase 6035 U70838 156570 GEN-69 Methionine Synthase 6035 U708594 603697 GEN-69 Methionine Synthase 6036 U708594 603697 GEN-69 Methionine Synthase 6035 U708594 603697 GEN-69 Methionine Synthase 6036 U708594 603697 GEN-69 Methionine Synthase 6035 U708594 603697 GEN-69 Methionine Synthase 6036 U70859		ო	က	က	ო	ω	Ø	C255Y	က	က	က		က		က		r	,		ო			ო		•	, O			
U70867 601460 GEN-4S prostaglandin transporter 3 Prostaglandin transporter 3 Prostaglandin transporter 3 Prostaglandin transporter 3 Prostaglandin transporter 4 PPGT U70867 601460 GEN-4S prostaglandin transporter 3 PPGT U70867 601460 GEN-4S prostaglandin transporter 4 PPGT U70867 601460 GEN-4S prostaglandin transporter 4 PPGT U71321 602623 GEN-69 protein FKBP51 mRNA, complete cds U73338 156570 GEN-69 Methionine Synthase U73338 156570 GEN-69 Methionine Synthase U73338 156570 GEN-69 Methionine Synthase U7325 602193 GEN-K7 Cyclin-Dependent 155-302 U81375 602193 GEN-7 Cyclin-Dependent 1 (hENT1) mRNA, complete cds transporter 1 (hENT1) mRNA, complet		3080A>G	3162A>G	3164A>G	3503T>A	1095C>T	1272G>A	764G>A	4701G>A	6356G>A	2378A>G		972A>T		1811G>A		T/0401	200		1867T>C	• •	s, e	1220T>A		0.000	300/G>A	•	٠.	
U70867 601460 GEN-4S prost U70867 601460 GEN-69 hpot U70338 156570 GEN-69 hpot U70338 156570 GEN-69 hpot U708294 603697 GEN-69 hpot U708294 603697 GEN-69 hpot U709269 123829 GEN-K7 Cyclir U81375 602193 GEN-7 GEN-7 ftr U81375 602193 GEN-7 GEN-7 ftr U81375 602193 GEN-7 GEN-7 ftr U81375 GEN-89 GEN-7 GEN-7 ftr U81375 GEN-99 GEN-7 GEN-7 ftr U81375 GEN-99 GEN-7 GEN-7 ftr U81375 GOZ193 GEN-7 ftr U81375 GOZ193 GEN-7 ftr U81375 GOZ193 GEN-7 ftr U82812 GES-9 MQL-7 ftr		3171	3253	3255	3594	1248	1425	1158	5095	6750	2449		1281		1989		900	066		2045			1280		1	3007		:	
U70867 601460 GE U70869 123829 GE U79269 123829 GE U81375 602193 U81375 602193 U81375 602193 U81375 602193	55	prostaglandin transporter	prostaglandin transporter	prostaglandin transporter	prostaglandin transporter	Human FK506-binding protein FKBP51 mRNA,	Human FK506-binding protein FKBP51 mRNA, complete cds	Methionine Synthase	Methionine Synthase	Methionine Synthase	Homo sapiens 15S-	lipoxygenase mRNA,	Cyclin-Dependent Protein	Kinase	Human placental	equilibrative nucleoside transporter 1 (hENT1)	Sold Committee Cus	equilibrative nucleoside	transporter 1 (hENT1) mRNA, complete cds	Human placental	equilibrative nucleoside	transporter 1 (hENT1)	Human scavenger receptor	cysteine rich Sp alpha	mRNA, complete cds	ATPase, Ca++	muscle fast twitch 1		
U70867 U70867 U70867 U71321 U71328 U73338 U73338 U73338 U79269 U81375 U81375		GEN-4S	GEN-4S	GEN-4S	GEN-4S	GEN- 2TW	GEN- 2TW	GEN-69	GEN-69	GEN-69	GEN-	302	GEN-K7		GEN	300	į	300		GEN-	300		GEN	3X7	1	GEN-	<u>ا</u>	•	
U70867 U70867 U70867 U71321 U71328 U73338 U73338 U73338 U79269 U81375 U81375		601460	601460	601460	601460	602623	602623	156570	156570	156570	603697		123829		602193		000	502193		602193			602592			108730			
U70867 U70867 U70867 U71321 U73338 U73338 U73338 U73239 U73269 U81375 U81375 U81375		U70867	U70867	U70867	U70867	U71321	U71321	U73338	U73338	U73338	U78294		U79269		U81375		1	0813/2		U81375			U82812			U96781			
		U70867	U70867	U70867	U70867	U71321	U71321	U73338	U73338	U73338	U78294		079269		U81375			0813/5		U81375			U82812			U96781			

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Programma program in the control of
V00493 141800 GEN-TK Human messenger RNA 198 V00493 141800 GEN-TK Human messenger RNA 244 V00493 141800 GEN-TK Human messenger RNA 307 V00493 141800 GEN-TK Human messenger RNA 314 V00493 141800 GEN-TK Human messenger RNA 326 V00493 141800 GEN-TK Human messenger RNA 393 V00493 141800 GEN-TK Human messenger RNA 393 V00493 141800 GEN-TK Human messenger RNA 393 V00493 141800 GEN-TK Human messenger RNA 418 V00497 141900 GEN-P1 Human messenger RNA 59 V00497 141900 GEN-P1 Human messenger RNA 59 V00497 141900 GEN-P1 Human messenger RNA 304 V00497 141900 GEN-P1 Human messenger																								
V00493 141800 GEN-TK Human messenger RNA 198 V00493 141800 GEN-TK Human messenger RNA 244 V00493 141800 GEN-TK Human messenger RNA 307 V00493 141800 GEN-TK Human messenger RNA 314 V00493 141800 GEN-TK Human messenger RNA 326 V00493 141800 GEN-TK Human messenger RNA 393 V00493 141800 GEN-TK Human messenger RNA 393 V00493 141800 GEN-TK Human messenger RNA 393 V00493 141800 GEN-TK Human messenger RNA 481 V00497 141900 GEN-P1 Human messenger RNA 59 V00497 141900 GEN-P1 Human messenger RNA 594 V00497 141900 GEN-P1 Human messenger RNA 304 V00497 141900 GEN-P1 Human messenge	A54V	N69K	Ф06Н	R93W	V97F	T119N	A121G	D127E	က	ဟ	ဟ	H78Q	T85N	L107P	V112G	2	က	ო	P87T	G162W	Q24K	S142G	ட	
V00493 141800 GEN-TK Human messenger RNA for alpha globin V00493 141800 GEN-TK Human messenger RNA for alpha globin V00493 141800 GEN-TK Human messenger RNA for alpha globin V00493 141800 GEN-TK Human messenger RNA for alpha globin V00493 141800 GEN-TK Human messenger RNA for alpha globin V00493 141800 GEN-TK Human messenger RNA for alpha globin V00493 141800 GEN-TK Human messenger RNA for alpha globin V00497 141900 GEN-P1 Human messenger RNA for alpha globin V00497 141900 GEN-P1 Human messenger RNA for beta-globin V00497 141900 GEN-P1 Human messenger RNA for beta-globin <td< td=""><td>161C>T</td><td>207C>A</td><td>270C>A</td><td>277C>T</td><td>289G>T</td><td>356C>A</td><td>362C>G</td><td>381C>A</td><td>444A>G</td><td>9C>T</td><td>207C>A</td><td>234C>A</td><td>254C>A</td><td>320T>C</td><td>138T>G</td><td>0</td><td>479T>G</td><td>487T>G</td><td>259C>A</td><td>484G>T</td><td>70C>A</td><td>424A>G</td><td>2560deIT</td><td></td></td<>	161C>T	207C>A	270C>A	277C>T	289G>T	356C>A	362C>G	381C>A	444A>G	9C>T	207C>A	234C>A	254C>A	320T>C	138T>G	0	479T>G	487T>G	259C>A	484G>T	70C>A	424A>G	2560deIT	
V00493 141800 GEN-TK V00497 141900 GEN-P1	198	244	307	314	326	393	399	418	481	59	257	284	304	370	385	200	529	537	299	524	. 02		2823	
V00493 141800 V00497 141900 V00619 139250 V00619 139250 X01060 190010	Human messenger RNA	ior alpha globin Human messenger RNA	ror alpha globin Human messenger RNA				for alpha globin Human messenger RNA			for alpha globin Human messenger RNA	for beta-globin Human messenger RNA	for beta-globin		Human messenger RNA for beta-plobin	Human messenger RNA for beta-dobin	Growth hormone 1	Growth hormone 1	Apolipoprotein C-II	Transferrin receptor (p90,	CD71) Transferrin receptor (p90, CD71)				
	GEN-1K	GEN-TK	GEN-TK	GEN-TK	GEN-TK	GEN-TK	GEN-TK	GEN-TK	GEN-TK	GEN-P1	GEN-P1	GEN-P1	GEN-P1	GEN-P1	, d	פרוקים	GEN-P1	GEN-P1	GEN-40	GEN-40	GEN-6Z	GEN-6C	GEN-6C	
	141800	141800	141800	141800	141800	141800	141800	141800	141800	141900	141900	141900	141900	141900	141000	1	141900	141900	139250	139250	207750	190010	190010	
HBA1 HBA1 HBA1 HBA1 HBA1 HBA1 HBA1 HBA1	V00493	V00493	V00493	V00493	V00493		V00493	V00493	V00493	V00497				V00497	70000	, coo	V00497	V00497	V00519	V00519	X00568	X01060	X01060	
	HBA1	HBA1	HBA1	HBA1	HBA1	HBA1	HBA1	HBA1	HBA1	V00497	V00497	V00497	V00497	V00497	70000	/6+00 A	V00497	V00497	V00519	V00519	X00568	X01060	X01060	

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 3503T>G	3859A>C	3884G>A	3984T>C	4046T>A	4118A>G	4284G>A	4356T>G	4463A>T	4503C>T	225T>G	456G>A	550A>C	949G>A	215C>G	040	0	1503G>C		(-506)A>G	(-337)C>A	79C>T		138C>G
3766	4122	4147	4247	4309	4381	4547	46.19	4726	4766	332	563	614	1000	350	0.63	2	1600		221	390	870		926
Transferrin receptor (p90,	Transferrin receptor (p90,	Transferrin receptor (p90,	Transferrin receptor (p90,	Transferrin receptor (p90,	Transferrin receptor (p90,	Transferrin receptor (p90,	Transferrin receptor (p90,	Transferrin receptor (p90,	Transferrin receptor (p90,	Interleukin 2	Interleukin 2	Superoxide dismutase 1	(Cu/Zn) Human gene for fibrinogen	gamma chain Human mRNA for p53	cellular tumor antigen	cellular tumor antigen	Anticoagulant Protein C	(inactivator of coagulation	Human N-ras mRNA and	flanking regions Human N-ras mRNA and	flanking regions Human mRNA for	transforming growth factor- beta (TGF-beta)	Human mRNA for
GEN-6C	GEN-6C	GEN-6C	GEN-6C	GEN-6C	GEN-6C	GEN-6C	GEN-6C	GEN-6C	GEN-6C	GEN-PC	GEN-PC	GEN-KM	GEN	MJ0 GEN-PF	7 7 7		GEN-4Z		GEN-XG	GEN-XG	GFN-XR		GEN-XR
190010	190010	190010	190010	190010	190010	190010	190010	190010	190010	147680	147680	147450	134850	191170	104470		176860		164790	164790	190180		190180
X01060	X01060	X01060	X01060	X01060	X01060	X01060	X01060	X01060	X01060	X01586	X01586	X02317	X02415	X02469	V02460	V02403	X02750		X02751	X02751	X02812		X02812 190180
X01060	X01060	X01060	X01060	X01060	X01060	X01060	X01060	X01060	X01060	X01586	X01586	X02317	X02415	X02469	097007	20470	X02750		NRAS	NRAS	X02812		X02812

,	T264I	Ø		v		S			S391N		V119G		S		က			ဟ	ဟ	E22Q	A86V	ဟ	ш.	ဟ	ဟ	V364E	M438I	ဟ	3	က	ო
	791C>T	966C>T		1089G>A		1101C>T			1172G>A	-	356T>G		555G>A		1204C>T		• •	30T>C	30T>C	. 64G>C	257C>T	261G>C	469C>T	975C>G	975C>G	1091T>A	1314G>A	1782A>G	1994A>G	2190A>C	2373C>G
	1632	1807		1930		1942			. 2013		379		. 586		1235			330	390	424	617	621	829	1335	1335	1451	1674	3 2142	3 2354	, 2550	\$ 2733
transforming growth factor- beta (TGF-beta)	Human mRNA for transforming growth factor-	beta (TGF-beta) Human mRNA for	transforming growth factor-	Human mRNA for	transforming growth factor-	Human mRNA for	transforming growth factor-	beta (TGF-beta)	Human mRNA for	transforming growth factor-	Human mRNA for	vasopressin precursor	Human mRNA for	granulocyte colony-	Human mRNA for	granulocyte colony-	stimulating factor (G-CSF)	estrogen receptors													
	GEN-XR	GEN-XR		GEN-XR		GEN-XR			GEN-XR		GEN-ZM		GEN-PM		SEN-PM			GEN-50	GEN-50	GEN-50	GEN-50	GEN-20	GEN-50	GEN-20	GEN-20	GEN-50	GEN-50	GEN-50	GEN-20	GEN-20	GEN-50
	190180	190180		190180		190180			190180		192340		138970		138970			133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430	133430
	X02812 190180	X02812		X02812 190180		X02812 190180			X02812 190180		X03172 192340		X03438 138970		X03438 138970			X03635													
	X02812	X02812		X02812		X02812			X02812		X03172		X03438		X03438			X03635													

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2821T>C 2978C>T	3294CCT>CC T	3292- 3294delCCT	3536C>A	4018T>C	5927T>C	3432T>C	3651C>A	•	321G>A		1390G>T	_		2056C>T		2310A>G) ;		;	2337A>T			2624T>C				(-20)T>C		148C>T	1167T>C		
3181 3338	3652	3652	3896	4378	6287	3732	3951		447		1516			2182		2517				2544			2831				51		218	1237		
estrogen receptors estrogen receptors	estrogen receptors	estrogen receptors	estrogen receptors	estrogen receptors	estrogen receptors	Colony stimulating factor 1	receptor Colony stimulating factor 1	receptor	ATPase, Na+/K+	ransporing, beta 1 notvnentide	ATPase, Na+/K+	transporting, beta 1	polypeptide	ATPase, Na+/K+	transporting, beta 1	Human mRNA of X-CGD	gene involved in chronic	granulomatous disease	located on chromosome X	Human mRNA of X-CGD	gene involved in chronic	located on chromosome X	Human mRNA of X-CGD	gene involved in chronic	granulomatous disease	located on chromosome X	Human kidney mRNA for	catalase	Human kidney mRNA for	Catalase Human kidnev mRNA for		•
GEN-50 GEN-50	GEN-50	GEN-50	GEN-50	GEN-50	GEN-20	GEN-51	GEN-51		GEN-KR		GEN-KR			GEN-KR		GEN-	138			GEN	138		GEN-	13S			GEN-	13P	GEN-	7 P.	; j	
133430	133430	X03635 133430	133430	133430	133430	164770	164770		X03747 182330		X03747 182330			X03747 182330		306400				306400			306400				115500		115500	X04076 115500		
X03635 X03635	X03635	X03635	X03635	X03635	X03635	X03663	X03663		X03747		X03747			X03747		X04011 306400				X04011			X04011 306400				X04076		X04076	X04076		
X03635 X03635	X03635	X03635	X03635	X03635	X03635	X03663	X03663		X03747		X03747			X03747		CYBB				CYBB			CYBB				CAT		CAT	TAC	;	

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	တ	ო	A14S	ω	ဟ	R319S	ω	Ø	ო	ო	R49T	S24A
	1255C>T	2061A>C	40G>T	. 351C>T	513C>T	955C>A	1011C>A	1071C>T	1201T>G	1438A>C	146G>C	70T>G
	1325	2131	121	363	525	2967	1023	1083	1213	1450	426	145
catalase	Human kidney mRNA for catalase	Human kidney mRNA for catalase	Human mRNA for porphobilinogen deaminase (PBG-D, EC	Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeotide 1	GEN-7Q Guanine nucleotide binding protein (G protein), alpha stimulating activity nolvoeptide 1	Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1	Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeotide 1	GEN-7Q Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeotide 1	Guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide)	Guanine nuck protein (G p	GEN-7R Guanine nucleotide binding protein (G protein), beta polypeotide 1	Human mRNA for
13P	GEN- 13P	GEN-	GEN-145	GEN-70	GEN-7Q	GEN-7Q	GEN-7Q	GEN-7Q	GEN-7Q	GEN-7Q	GEN-7R	GEN-151
	115500	115500	176000	139320	139320	139320	139320	139320	139320	139320	139380	188060
	X04076 115500	X04076	X04217 176000	X04409	X04409 139320	X04409	X04409	X04409 139320	X04409	X04409 139320	X04526	X04665
2.	CAT	CAT	HMBS	X04409	X04409	X04409	X04409	X04409	X04409	X04409	X04526	THBS1

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000	828G>A	1410C>T	3592C>T	3791G>A	.330C>T	771C>T	942C>T	1083A>G	1431C>T	2286T>G	2478G>A	2552T>G	J-54)G>C	804G>A	1191T>C	1770C>T	1820C>T	1864C>T	487T>C	1948C>T
9	803	1485	3667	3866	384	825	966	1137	1485	2340	2532	2606	83	940	1327	1906	2223	2267	486	1947
thrombospondin	Human mKNA for thrombospondin	Human mRNA for	thrombospondin Human mRNA for	thrombospondin Human mRNA for	thrombospondin Human mRNA for	plasminogen Human mRNA for	protein kiessé C. heta 1	Protein kinase C beta 1	Protein kinase C, beta 1	Protein kinase C, beta 1	Human mRNA for platelet- derived growth factor	Human mRNA for platelet- derived growth factor	Human mRNA fragment for activated c-raf-1 (exons 8-	Human mRNA fragment for activated c-raf-1 (exons 8-						
	GEN-151	GEN-151	GEN-151	GEN-151	GEN-PU	GEN-PU	GEN-PU	GEN-PU	GEN-PU	GEN-PU	GEN-PU	GEN-PU	XXTNUC	GEN-KY	GEN-KY	GEN-KY	GEN- 19E	GEN- 19E	GEN- 19K	GEN- 19K
	188060	188060	188060	188060	173350	173350	173350	173350	173350	173350	173350	173350	176070	176970	176970	176970	173430	173430	164760	164760
	X04665 188060	X04665 188060	X04665	X04665	X05199	X05199			X05199	X05199	X05199	X05199	X08318	X06318	X06318	X06318	X06374	X06374 173430	X06409 164760	X06409 164760
	THBS1	THBS1	THBS1	THBS1	X05199	X05199	X05199	X05199	X05199	X05199	X05199	X05199	V06318	X06318	X06318	X06318	PDGFA	PDGFA	RAF1	RAF1

ო	m r	G366E	Y402H	P14A	V16A	T65N	1827	G70R	D75Y	S	တ	က	ო	က
1993C>A	3349A>T	1097G>A	1204T>C	40C>G	47T>C	194C>A	245T>C	208G>C	223G>T	1086A>C	1176A>C	2610T>C	2775T>A	3236A>G
1992	3392	1170	1277	44	51	198	249	234	249	1189	1279	2713	2878	3339
17) Human mRNA fragment for activated c-raf-1 (exons 8-	Growth hormone receptor	Human mRNA for truncated form of	Complement factor H Human mRNA for truncated form of	Human mRNA for manganese superoxide	Human mRNA for slow	Human mRNA for slow	Human mRNA for fibronectin receptor beta	subunit Human mRNA for fibronectin receptor beta	Human mRNA for fibronectin receptor beta	Human mRNA for fibronectin receptor beta	Human mRNA for			
GEN- 19K	GEN-6D	GEN- GEN- 1E5	GEN-	GEN- 1ES	GEN- 1ES	GEN- 1ES	GEN- 1ES	GEN-	GEN-	GEN- 4E5	GEN- 4E5	GEN-	GEN- 4E5	GEN-
164760	600946		134371	147460	147460	147460	147460	191040	191040	135630	135630	135630	135630	135630
X06409 164760	X06562	X07523	X07523 134371	X07834 147460	X07834	X07834 147460	X07834 147460	X07897 191040	X07897	X07979	X07979	X07979 135630	X07979	X07979
RAF1	X06562	X07523	X07523	SOD2	SOD2	SOD2	SOD2	TNNC1	TNNC1	ITGB1	ITGB1	ITGB1	ITGB1	ITGB1

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	3428G>A		(-1)C>T	1285T>G	1303C>T	1300070	,	500	405T>C	433G>C	5580>C))))	240A>G			790C>T		1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1531C>T			1672G>T			·				ş -	-	••
	3531		128	1413	1431		-	,	441	469	503	4	364			914		. 3	918		1655			1796							,.		
fibronectin receptor beta	subunit Human mRNA for	fibronectin receptor beta	Human mRNA for vascular	anticoagulant Human mRNA for vascular	anticoagulant Human mRNA for vascular	anticoagulant		preprokallikrein (EC 3.4.21)	Human mRNA for	Human mRNA for	preprokallikrein (EC 3.4.21)	preprokallikrein (EC 3.4.21)	Cytochrome P450,	subfamily XfX (aromatization of	androgens)	Cytochrome P450,	subfamily XIX (aromatization of	androgens)	Cytochrome P450, subfamily XIX	(aromatization of	androgens) Cytochrome P450,	subfamily XIX	(aromatization of	Cytochrome P450,	subfamily XIX	androgens)	 Personal Personal Per	a-Austi Nem g	Alecti Parent Latin		(A)	1 40 40 1 40 40	
4E5	GEN-	4E5	GEN-	1M2 GEN-	GEN-	1M2	1M2	2 F O F O	GEN-		₽ 6					GEN-56			0C-N-30		GEN-56			GEN-56						****		s	
	135630		131230	131230	131230		131230	147910	147910	147910	07040	2	107910			107910			X13589 10/910		X13589 107910			X13589 107910									
	X07979 135630		X12454	X12454	X12454	2 4 7	V40104	X13561	X13561	X13561	V12E61	2	X13589			X13589 107910		0	X13589		X13589			X13589									
	ITGB1		ANX5	ANX5	ANX5	1 X X X	CANA	13561X	X13561	X13561	V42E64	0000	X13589			X13589			X13589		X13589			X13589						SD-144146.1			

	R279K	М		တ	S	T780I	ဟ	93W	S	Ø	S	တ	တ	ဟ	v		V128F		ဟ		S396L	
	R27	Ф380Н	ய	0,	0,	1	0,	R1993W	0,	0,	0,	U)	0,	0,	0,		>		0,		S36	
s contract	836G>A	1140G>T	1257^1258lns	1170T>C	1209C>T	2339C>T	3387T>C	5977C>T	6570C>T	8142G>A	8457C>T	8568G>T	8574C>T	8925T>C	84C>T		382G>T		789C>T		1187C>T	
	88.1	1185	1302	1636	1675	2805	3853	6443	7036	8608	8923	9034	9040	9391	131		429		836) .::*	1234	
und eine Eusenberg (n. 1905). Die Geleicher Ausgebergen und der Schale und der Sc	Human Intestinal mRNA for	Human intestinal mRNA for	Human intestinal mRNA for	apolipoprotein A-1V Human mRNA for LDL-	receptor related protein Human mRNA for LDL-	receptor related protein Human mRNA for LDL-	receptor related protein Human mRNA for LDL-	receptor related protein Human mRNA for LDL- receptor related protein	Human mRNA for LDL-	receptor related protein Human mRNA for LDL-	receptor related protein Human mRNA for LDL-	receptor related protein Human SP-40.40 mRNA	for complement-associated protein SP-40,40 alpha-1	and beta-1 chain Human SP-40,40 mRNA	for complement-associated protein SP-40,40 alpha-1	and beta-1 chain Human SP-40,40 mRNA	ē_	and beta-1 chain Human SP-40,40 mRNA	- - - - -			
	GEN-	3 3 3 5 5 5 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7	SEP.	GEN-	<u>δ</u> Α	GEN TO	6 8 6	2 2 2 5 5 5	GEN-	6 6 6 7 7 7 7 7 7	GEN-	Ω. Ω.Ω.	6. 5. 5. 5.	GEN-	5 10 ₹	1SB	GER	1SB	GEN-	1SB	GER	
	107690	107690	107690	107770	107770	107770	107770	107770	107770	107770	107770	107770	107770	107770	185430		185430		X14723 185430		X14723 185430	
·	X13629	X13629	X13629	X13916	X13916	X13916	X13916	X13916	X13916	X13916	X13916	X13916	X13916	X13916	X14723		X14723		X14723		X14723	
	X13629	X13629	X13629	X13916	X13916	X13916	X13916	X13916	X13916	X13916	X13916	X13916	X13916	X13916	CLU		CLU		טרח		CLU	

	Y442F	ო	က	က	တ	ო	ဟ	M341I	တ	R939Q	w	L	ட
	1325A>T	1435C>T	1501C>T	1598A>T	1359C>T	1575T>C	1044G>A	1023G>C	1614C>T	2816G>A	2940G>A	3216delC	3546^3547ins
	1372	1482	1548	1645	1375	1591	1144		1657	2859	2983	3259	3589
1SB for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	Human SP-40,40 mRNA for complement-associated protein SP-40,40 alpha-1 and beta-1 chain	Nicotinic, Cholinergic receptor beta 1	Nicotinic, Cholinergic receptor beta 1	Muscarinic receptor, CHRM1	Human mRNA for natriuretic peptide receptor (ANP-A receptor)	Human mRNA for natriuretic peptide receptor (ANP-A receptor)	Human mRNA for natriuretic peptide receptor (ANP-A recentor)	Human mRNA for natriuretic peptide receptor (ANP-A receptor)	Human mRNA for natriuretic peptide receptor (ANP-A recentor)	Human mRNA for
1SB	GEN- 1SB	GEN- 1SB	GEN- 1SB	GEN- 1SB	GEN- 4EK	GEN- AFA	GEN-	GEN- SCV	GEN- XUV	GEN. KUV	GEN- KUV	GEN- KUV	GEN-
	185430	185430	185430	185430	100710	100710	None	108960	108960	108960	X15357 108960	108960	108960
	X14723 185430	X14723	X14723 185430	X14723 185430	X14830 100710	X14830 100710	X15263	X15357	X15357	X15357 108960	X15357	X15357	X15357 108960
	כרח	OLU	CLU	CLU	CHRNB1	CHRNB1	X15263	X15357	X15357	X15357	X15357	X15357	X15357

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GAAA	183C>T	1476C>T	1851C>G	2509T>C	2639C>A	2772G>A	3018C>T	3409A>G	3667C>T	3837A>G	423G>A	939C>T	957T>C	1083A>G	1323T>C	1383A>G	2196C>T	2222G>A	(-58)C>T
	399	1692	2067	2725	2855	2988	3234	3625	3883	4053	588	1104	1122	1248	1488	1548	2361	2285	192
natriuretic peptide receptor	Human fur mRNA for furin	Dopamine Receptor D2	STEROID HORMONE	Human fit mRNA for receptor-related tyrosine kinase															
S S	GEN-	GEN-	GEN-	SE SE	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-	SEN S	GEN-	GEN.	GEN-	GEN-	GEN-	GEN-57	GEN-329
	136950	136950	136950	136950	136950	136950	136950	136950	136950	136950	126450	126450	126450	126450	126450	126450	126450	601998	165070
	X17094	× X17094	X51362	X51416	X51602 165070														
	PACE	X51362	X51416	FLT1															

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1474C>T	1704G>A	2812A>G	2901G>A	4248T>G	5046^5047ins GAG	6727G>A	6764T>G	159T>G	1152G>A	1539C>G	1590C>T	1632C>T	1687C>T	1804G>C	1930C>T
1723	1953	3061	3150	4497	5295	9269	7013	276	1262	1649	1700	1742	1797	1914	2040
Human flt mRNA for receptor-related tyrosine kinase					Human fit mRNA for receptor-related tyrosine kinase	Human fit mRNA for receptor-related tyrosine kinase	Human fit mRNA for receptor-related tyrosine kinase	Human mRNA for fibroblast growth factor (FGF) receptor	Endothelin 3	Endothelin 3	Endothelin 3	Endothelin 3	Endothelin 3	Endothelin 3	Endothelin 3
GEN-329	GEN-329	GEN-329	GEN-329	GEN-329	GEN-329	GEN-329	GEN-329	GEN- 32G	GEN-	GEN-	GEN-	GEN-	GEN-	GEN-	GEN- 33E
165070	165070	165070	165070	165070	165070	165070	165070	136350	131242	131242	131242	X52001 131242	X52001 131242	131242	X52001 131242
X51602 165070	X51602 165070	X51602	X51602 165070	X51602 165070	X51602 165070	X51602 165070	X51602 165070	X51803 136350	X52001 131242	X52001	X52001	X52001	X52001	X52001	X52001
FLT1	FLT1	FLT1	FLT1	FLT1	FLT1	FLT1	FLT1	FGFR1	EDN3	EDN3	EDN3	EDN3	EDN3	EDN3	EDN3

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2869G>A	3114A>G	3216C>T	881A>C	159A>G		2724A>T		212A>G		552C>T	537G>A		28G>A			162T>G			60C>A		763T>C		102T>C	773C>T		9316>4			1139T>G		1306C>T			1395C>T		
3044	3289	3391	806	338		2903		212		552	626		83			217			432		1135		247	821		070	5		1187		1354			1443		-
Interleukin 4 receptor	Interleukin 4 receptor	Interleukin 4 receptor	Protein kinase C, alpha	Human bek mRNA for	fibroblast growth factor recentor-BEK	Human bek mRNA for	fibroblast growth factor	receptor-BEK Nicotinic, Cholinergic	receptor alpha 3	Nicotinic, Cholinergic	Human mRNA for cardiac	troponin	Human FGFR-4 mRNA for	fibroblast growth factor	receptor (FGFR-4)	Human FGFR-4 mRNA for	fibroblast growth factor	receptor (FGFR-4)	H.sapiens mRNA for HS1	protein	H.sapiens mRNA for HS1	protein	Serotonin 5-HT2 receptor	Human GPx-3 mRNA for	plasma glutathione	peroxidase	plasma glutathione	peroxidase	Human GPx-3 mRNA for	piasma giutatnione	Peroxidase Hilman GPx-3 mRNA for	plasma glutathione	peroxidase	Human GPx-3 mRNA for	des de la companya de	
GEN-59	GEN-59	GEN-59	GEN-LM	GEN-341		GEN-341		GEN-341		GEN-341	n N	340	GEN-	37M		GEN-	37M		GEN-	37R	GEN-	37R	GEN-7V	GEN-	388	, N	388		GEN-	282	SEN.	388		GEN-	÷	-
147781	147781	147781	176960	176943		176943		118503		118503	191044		134935			134935			601289		601289		182135	138321		128221	4000		138321		138321	1		138321		
X52425	X52425	X52425	X52479	X52832		X52832		X53559		X53559	X54163		X57205			X57205			X57346		X57346		X57830	X58295		VERSOR	700733		X58295		X58295	2222		X58295 138321		
X52425	X52425	X52425	X52479	FGFR2		FGFR2		CHRNA3		CHRNA3	E NN F		FGFR4			FGFR4			YWHAB		YWHAB		X57830	GPX3		2	5		GPX3		צאמט	5		GPX3		

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	1468C>A	1533C>T	744A>G	864T>G	1901T>C	(-48)A>G	90G>A	198G>A	1263G>A	1764A>C	1769C>A	2043T>G	(-257)G>A	(-23)C>T	815C>T	815C>T	1041C>T
	1516	1581	807	927	1964	229	366	474	1539	2040	2045	2339	102	336	1173	1173	1399
plasma glutathione	Human GPx-3 mRNA for plasma glutathione	Peroxidase Human GPx-3 mRNA for plasma glutathione	peroxidase Interleukin 11	Interleukin 11	Interleukin 11	D1 dopaminergic receptor	D1 dopaminergic receptor	D1 dopaminergic receptor	D1 dopaminergic receptor 1539	D1 dopaminergic receptor	D1 dopaminergic receptor	Human PBX2 mRNA	Human mRNA for pancreatic gamma-	glutamyltransferase Human mRNA for pancreatic gamma-	glutarriying islerase Human mRNA for pancreatic gamma-	glutamylitransferase Human mRNA for pancreatic gamma-	Human mRNA for
388	GEN- 38S	GEN- 38S	GEN-	GEN-	GEN-	GEN- FE	SEN-A	GEN-	GEN-	GEN-	GEN-	GEN-	GEN- 3AL	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN-
	138321	138321	147681	147681	147681	126449	126449	126449	126449	126449	126449	600214	231950	231950	231950	231950	231950
	X58295 138321	X58295	X58377	X58377 147681	X58377	X58987	X58987	X58987	X58987	X58987	X58987	X59842	69009X	X60069 231950	69009X	69009X	X60069 231950
,	GPX3	GPX3	X58377	X58377	X58377	DRD1	DRD1	DRD1	DRD1	DRD1	DRD1	X59842	X60069	69009X	69009X	X60069	69009X

	A351S	Т375М	Ø	S	P427T	w	V435A	S	T479M	ω	Ø	T550M	S558L
	1051G>T	1124C>T	1233G>A	1266C>T	1279C>A	1293C>T	1304T>C	1425A>G	1436C>T	1437G>A	1623C>T	1649C>T	1673C>T
pancreatic gamma-	gloden ywantstelase Human mRNA for 1409 pancietti gamma-	glutaniyitanishi ase Human mRNA for 1482 pancietic gamma-	graden yrganiserase Human mRNA for 1591 pancias gamma-	grudniyirarishdase Juman mRNA for 1624 pancreatic gamma- clirtamyttransferase	Human mRNA for 1637 pancreatic gamma-	gludaniyualishelase Human mRNA for 1651 panchatig gamma-	grammyraniserase Human mRNA for 1662 pancreatic gamma-	gruden yn disserase Human mRNA for 1783 pancreatig gamma- glutamyltransferase	Human mRNA for 1794 pancan gamma-	grammy managed by the Month of	Human mRNA for 1981 pancreatic gamma-	Human mRNA for 2007 panctatic garinna-	gutanyiransherase Human mRNA for 2031 pancreatic gamma- glutamyitransferase
3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ
	X60069 231950	X60069 231950	X60069 231950	X60069 231950	X60069 231950	X60069 231950	X60069 231950	X60069 231950	X60069 231950	X60069 231950	X60069 231950	X60069 231950	X60069 231950
	X60069	69009X	X60069	69009X	69009X	69009X	69009X	69009X	69009X	X60069	69009X	69009X	69009X

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1689C>T	1789C>T	1818C>T	1866C>A	2158G>A	96A>C	1265A>G	1394G>A	1659C>T	1716T>C	2869G>A	2294C>T	2308A>G	2353G>C
2047	2147	2176	2224	2194	203	1372	1501	1766	1823	2976	2457	2308	2353
Human mRNA for panceatic gamma-	Human mRNA for pancreatic gamma-	glutarrylitaristerase Human mRNA for pancreatic gamma-	Blutarryktaristerase Human mRNA for pancreatic gamma-	Human tie mRNA for putative receptor tyrosine	Adrenergic receptor (Beta kinase 1-phosphorylates	beta adrenergic receptor) Adrenergic receptor (Beta kinase 1-phosphorylates	beta adrenergic receptor) Adrenergic receptor (Beta kinase 1-phosphorylates	beta adrenergic receptor) Adrenergic receptor (Beta kinase 1-phosphorylates	Seta adrenergic receptor) Adrenergic receptor (Beta kinase 1-phosphorylates	Adrenergic receptor (Beta kinase 1-phosphorylates	H.sapiens mRNA for NF-	H.sapiens mRNA for growth factor receptor	yrosine Mirase H.sapiens mRNA for growth factor receptor tyrosine kinase
GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3AJ	GEN- 3BF	GEN-23	GEN-23	GEN-23	GEN-23	GEN-23	GEN-23	GEN-	GEN- 3BZ	GEN- 3BZ
231950	231950	231950	231950	600222	109635	109635	109635	109635	109635	109635	164012	191306	191306
X60069 231950	X60069	X60069	69009X	X60957	X61157 109635	X61157	X61157	X61157 109635	X61157	X61157	X61498 164012	X61656	X61656
K60069	69009X	69009X	69009X	X60957	X61157	X61157	X61157	X61157	X61157	X61157	NFKB2	KDR	X R R

N833K	E846V	ო	w	ဗ	က	က	R15H	K37Q	G85E	C157W	က	က	ო			
2499C>G	2537A>T	4123G>C	1506C>T	2704G>A	3914G>T	4145A>C	44G>A	109A>C	254G>A	471T>G	2225G>T	2322A>G	2353G>T	·		
2499	2537	4123	1516	2714	3998	4229	51	116	261	495	2236	2333	2364		. •	
H.saplens mRNA for growth factor receptor	H.saplens mRNA for growth factor receptor	H.sapiens mRNA for growth factor receptor	H.saplens UGT2BIO mRNA for udp	H.sapiens UGT2BIO	glucuronosymansierase H.saplens mRNA for ATP- citrate lyase	H. sapiens mRNA for ATP-	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	INTERLEUKIN 1 BETA CONVERTASE PRECLIRSOR	INTERLEUKIN 1 BETA CONVERTASE PRECURSOR	H.sapiens mRNA H.sapiens mRNA PSSALRE for serine/threonine	Nicotinic, Cholinergic receptor epsilon	Nicotinic, Cholinergic receptor epsilon	Nicotinic, Cholinergic receptor epsilon polypeptide	, und fitte <u>National property</u> or in the second	Professional	
GEN- 3BZ	GEN- 3BZ	GEN- 3BZ	GEN-	GEN- 3DC	GEN-	GEN-	GEN-6G	GEN-6G	GEN-6G	GEN- 3GM	GEN-5D	GEN-5D	GEN-5D		••	
191306	191306	191306	600070	600070	108728	108728	147678	147678	147678	123831	100725	100725	X66403 100725			
X61656	X61656	X61656	X63359	X63359	X64330	X64330	X65019	X65019	X65019	X66364	X66403	X66403	X66403			
KDR	KDR	KDR	X63359	X63359	ACLY	ACLY	X65019	X65019	X65019	X66364	X66403	X66403	X66403		SD-144146.1	

	S	E537K	တ	S	က	ო	က	က	က	W64R	W64B		M312I	က		က		က		တ	Ø
	1182T>C	1609G>A	21T>C	201C>T	1345T>C	1488T>C	1530C>T	1628A>C	1813G>C	190T>C	O <top.< th=""><th></th><th>936G>C</th><th>638T>C</th><th></th><th>757C>A</th><th></th><th>802A>C</th><th></th><th>1155C>T</th><th>1278C>T</th></top.<>		936G>C	638T>C		757C>A		802A>C		1155C>T	1278C>T
4	1182	1609	112	292	1436	1579	1621	1719	1904	315	۶ ۲	2	949	718		837		882		1380	1503
The second secon	BETA-ADRENERGIC	BETA-ADRENERGIC RECEPTOR KINASE 2	H.sapiens mRNA for	squalene synthase H.sapiens mRNA for	Squarene syndrase H.sapiens mRNA for	squalene synthase H.sapiens mRNA for	squalene synthase H.sapiens mRNA for	squalene synthase H.saplens mRNA for	squalene synthase H.sapiens mRNA for	squalene synthase beta-3-adrenergic receptor	rotagos signocarba C. etad	חפום-ס-מחופות חים שנים שנים מחום	H.sapiens mRNA for peroxisomal acyl-CoA	· oxidase H.sapiens GPx-4 mRNA	for phospholipid hydroperoxide glutathione	peroxidase H.sapiens GPx-4 mRNA	ror phospholipid hydroperoxide glutathione peroxidase	H.sapiens GPx-4 mRNA for phospholipid	hydroperoxide glutathione	H.sapiens mRNA for nitric	H.sapiens mRNA for nithic oxide synthase
	GEN-5G	GEN-5G	GEN-339	GEN-3J9	GEN-3J9	GEN-3J9	GEN-3J9	GEN-3J9	GEN-3J9	GEN-	3KK	2 3 5 5 5 5 5 5 5 5 7 5 7 5 7 7 7 7 7 7 7	GEN- 3KS	GEN-3L1		GEN-3L1		GEN-3L1		GEN-	GEN- 3LW
	109636	109636	184420	184420	184420	184420	184420	184420	184420	109691	100004	160601	None	138322		138322		138322		163730	163730
	X69117	X69117	X69141	X69141	X69141	X69141	X69141	X69141	X69141			100/	X71440	X71973		X71973		X71973		X73029	X73029
	X69117	X69117	X69141	X69141	X69141	X69141	X69141	X69141	X69141	X70811	× 400 × 4	7/0017	X71440	GPX4		GPX4		GPX4		NOS2A	NOS2A

S608L	G688S	D705G	ď	n	ဟ	R933G	Ø	ď	•	ო	('n	L351V	တ	V455M		က		က		F608C		က		က		က
1823C>T	2062G>A	2114A>G		23281>2	2757A>G	2797C>G	2826C>T	CARRIA		3490G>A	1000	3901>C	1051T>G	1125C>T	1363G>A		1904T>C		2464T>C		1823T>G		3207G>A		974A>G		, 996T>C
2048	2287	2339		2583	2982	3022	3051	2603	200	3715		330	1051	1125	1363	2	1915		2475		1847		3231		1052		1074
H.sapiens mRNA for nitric	oxide synthase H.sapiens mRNA for nitric	oxide synthase H saplens mRNA for nitric	oxide synthase	H.sapiens mRNA for nitric oxide synthase	H.sapiens mRNA for nitric	Oxide syninase H.sapiens mRNA for nitric	oxide synthase H.sapiens mRNA for nitric	oxide synthase	oxide synthase	H.sapiens mRNA for nitric	oxide synthase	Prolyl Endopeptidase	Prolyl Endopeptidase	Prolyl Endopeptidase	Droty Endopositions	ייין וייין ויייין וייין ויייין וייין וייין וייין וייין וייין ויייין ויייין וייין וייין ויייין וייין וי	H.sapiens HIVR mRNA for	peptide (VIP) receptor	H.sapiens HIVR mRNA for	vasoactive intestinal peoptide (VIP) receptor	H.sapiens mRNA for	microsomal triglyceride	H.sapiens mRNA for	microsomal triglyceride	H.sapiens mRNA for gClq-	·α.	H.sapiens mRNA for gClq- 1074
GEN-	3LW GEN-	3LW GEN-	3LW	GEN- 3LW	GEN-	SEN- GEN-	3LW GEN-	3LW	- N TE	GEN-	3LW	GEN- 3N8	GEN-	GEN-	SNS	388	GEN-	ONS	GEN-	ONE.	GEN-	307	GEN.	307	GEN	306	GEN-
X73029 163730	X73029 163730	163730		163730	129 163730	X73029 163730	163730		067601 670	163730		196 600400	196 600400	196 600400	000000		192321		X75299 192321		500 157147		500 157147		913 601269		913 601269
X730	X730	X73029		X73029	X73029	X730	X73029	7	K 2029	X73029		X74496	X74496	X74496	×74406		X75299				X75500		X75500		X75913		X75913
NOS2A	NOS2A	NOS24	ì	NOSZA	NOS2A	NOS2A	ACSON ACSON		NOSZA	NOS2A		PREP	PREP	PREP	נו נו	L L L	X75299		X75299		MTP		MTP		X75913		X75913

G601D	T16P	G23R	M2741	က	က	က	Ø.) ()	ო	m	•	ო	c	ກ	က	ო	က		W27L	C	n	L L
1802G>A	46A>C	67G>A	822G>A	1386C>T	2109A>T	2294C>T	735C>T	7527	0	760G>A	1187C>T		895T>C	0000	1922G>A	2378G>A	2382G>A	1254T>G		80G>T	0	1146>C	193G>T
1901	191	212	296	1531	2254	2439	. 8	2 2) ()	096	1387	5	895	0	1922	2378	2382	1287		191	t	CZZ	304
Solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na+/H+, amiloride sensitive)	H.saplens mRNA for	H.saplens mRNA for	lysosomal acid lipase H.sapiens mRNA for	lysosomal acid lipase H.sapiens mRNA for	lysosomal acid lipase Hisapiens mRNA for	lysosomal acid lipase H.sapiens mRNA for	lysosomal acid lipase	p40pflox	Subtype mRNA	H.sapiens 14-3-3 eta	Subtype mRNA H saniens 14-3-3 eta	subtype mRNA	H.saplens mRNA for aryl	sulfotransferase (ST1A2)	Carnitine Acetyltransferase	Carnitine Acetyltransferase	Carnitine Acetyltransferase	H.sapiens ERK6 mRNA for	extracellular signal	H.sapiens HTNT4 mRNA	for cardiac troponin T	H.sapiens HINI4 mKNA for cardiac troponin T	H.sapiens HTNT4 mRNA for cardiac troponin T
30G GEN-N5	GEN-	GEN-	3P2 GEN-	3P2 GEN-	3P2 GEN-	3P2	3P2	, X	305	GEN-	OS G	g g	GEN-	LVF 10.15	GEN-2A	GEN-2A	GEN-2A	GEN	LPR	GEN-3TJ		GEN-317	GEN-3TJ
600228	278000	278000	278000	278000	278000	278000	E01488	7	000011	113508	11350B		601292		600184	600184	600184	602399		191045		191045	191045
X76180 600228	X76488	X76488	X76488	X76488	X76488	X76488	777084	1 000	7/0130	X78138	X78138	2	X78282	1	X78706	X78706	X78706	X79483		X79857		X79857	X79857
X76180	LIPA	LIPA	LIPA	LIPA	- 10A	Y MAI	7,002	16077	TWHAH	YWHAH	ZWIAL		X78282		X78706	X78706	X78706	X79483		TNNT2		TNNT2	TNNT2

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809C>A	(-74)C>T	(-22)C>T	1418G>A	1476A>G	: 76A>T	171C>T	834C>T	180C>G	(-161)C>T	125G>A	243C>T	424G>A	471C>T	708T>C	782C>T
920	25	<u> </u>	1516	1574	75	171	834	387	. 32	. 317	435	616	663	006	974
H.sapiens HTNT4 mRNA for cardiac troponin T	H.sapiens mRNA (clone C- 2k) mRNA for serine/threonine protein kinase	H.sapiens mRNA (clone C- 2k) mRNA for serine/threonine protein	H.sapiens mRNA (clone C- 2k) mRNA for serine/threonine protein kinase	H.saplens mRNA (clone C- 2k) mRNA for serine/threonine protein kinase	Serotonin 5-HT receptors	Potassium channel Kir3.4	Potassium channel Kir3.4	Prostaglandin E receptor 3 (subtype EP3) (alternative products)	H.sapiens BAK mRNA for BCI-2 homologue	H.saplens BAK mRNA for BCI-2 homologue	H.sapiens BAK mRNA for BCI-2 homologue	H.sapiens BAK mRNA for BCI-2 homologue	H.sapiens BAK mRNA for BCL2 homologue	H.sapiens BAK mRNA for	H.sapiens BAK mRNA for BCI-2 homologue
GEN-3TJ	GEN- 3UM	GEN-	GEN-	GEN- 3UM	GEN-		GEN-	GEN-5H	GEN-	GEN-	GEN- 3ZC	GEN- 3ZC	GEN-	GEN-	GEN- 3ZC
191045	603251	603251	603251	603251	None	600734	600734	176806	600516	600516	600516	600516	600516	600516	600516
X79857 191045	X80230	X80230	X80230	X80230 603251	X81411	X83582	X83582	X83861	X84213	X84213	X84213	X84213	X84213	X84213	X84213
TNNT	X80230	X80230	X80230	X80230	X81411	X83582	X83582	X83861	X84213	X84213	X84213	X84213	X84213	X84213	X84213

X86097 X86097 K86097 CGEN- H. saplens mRNA for EZF5 1281 132G>C S X86097 X86097 600967 GEN- H. saplens mRNA for EZF5 1281 15517-C 3 X86097 X86097 600967 GEN- H. saplens mRNA for EZF5 1725 1695A>C 3 X86097 X86097 600967 GEN- H. saplens mRNA for 1725 1340G>A 3 X89086 X89086 109750 GEN- H. saplens mRNA for 1725 1340G>A 3 X89086 X89086 109750 GEN- H. saplens mRNA for 720 660A>G S X89086 X89086 109750 GEN- H. saplens mRNA for 1394 1302C>T S X89180 X89180 601641 GEN- H. saplens mRNA for 1934 1842C>A S X89180 X89180 601641 GEN- H. saplens mRNA for 1934 1842C>A S X89180 X89180 601641 GEN- H. saplens mRNA for 18541 1642C>A S X89180 X89180 601641 GEN- P. purinoceptor (P2Y6) 121 1446G>A S																																
X86097 600967 GEN- H.sapiens mRNA for E2F-5 162 X86097 600967 GEN- H.sapiens mRNA for E2F-5 1281 X86097 600967 GEN- H.sapiens mRNA for E2F-5 1725 X86097 600967 GEN- H.sapiens mRNA for F2F-5 1725 X86097 600967 GEN- H.sapiens mRNA for 1725 H.sapiens mRNA for 1725 H.sapiens mRNA for 1725 H.sapiens mRNA for 1726 H.sapiens mRNA for 1394 X93086 109750 GEN- H.sapiens mRNA for 1394 H.sapiens mRNA for 13745 H.sapiens mRNA for 1504 GEN- GEN- H.sapiens mRNA for 1504 glutathione peroxidase (EC H.11.1.9.) Y00285 147280 GEN- H.sapiens mRNA for 504 glutathione peroxidase (EC H.11.1.9.) Human mRNA for 504 glutathione peroxidase (EC H.11.1.9.) Y00433 138320 GEN-TJ Human mRNA for 911 glutathione peroxidase (EC H.11.1.9.) Human mRNA for 911 glutathione peroxidase (EC H.11.1.9.)	တ	ო	က	ო	တ		တ		ဟ		S		1	ഹ	TORRA	74044	က		S1489N	T2075M	ဟ	V2335M	ന	ഗ		R98G			P198L			
X86097 600967 GEN- H.saplens mRNA for E2F-5 and protein X86097 600967 GEN- H.saplens mRNA for E2F-5 and protein X86097 600967 GEN- H.saplens mRNA for E2F-5 and brotein X86681 602110 GEN- H.saplens mRNA for E2F-5 and brotein X86681 602110 GEN- H.saplens mRNA for E4L alpha X86681 602110 GEN- H.saplens mRNA for E4L alpha X86681 601641 GEN- H.saplens mRNA for Billiverdin IX alpha X93086 109750 GEN- H.saplens mRNA for A9Y Branched chain Acyl-CoA Oxidase X95190 601641 GEN- H.saplens mRNA for A0X	132G>C	1251T>C	1695A>C	1340G>A	609G>A		660A>G		1302C>T		1842C>A			(-156)T>G	42624014	13054051	15420T>G		4466G>A	6224C>T	6666C>T	7003G>A	8538C>A	186G>A		292C>G		1	593C>T			
X86097 600967 GEN- H.saplens X93086 109750 GEN- H.s X95190 601641 GEN- H.s X97058 602451 GEN- H.s X96330 180902 GEN- H.s X96330 180902 GEN- H.s X96330 180902 GEN- H.s X96331 180902 GEN- H.s X96331 180902 GEN- H.s X96331 138320 GEN- H.s GE	 162	1281	1725	1725	699		720		1394		1934			121	4074E	2/40	15541		4613	6371	6813	7150	8685	504		610					••	
X86097 600967 GEN- 400 X86097 600967 GEN- 400 X86097 600967 GEN- 400 X86681 602110 GEN- 416 X93086 109750 GEN- 48G X93086 109750 GEN- 49G X95190 601641 GEN- 49Y X97058 602451 GEN- 49Y X97058 147280 GEN- 40B X98330 180902 GEN- 40B X98330 180902 GEN- 40B X96285 147280 GEN-61 Y00285 147280 GEN-61 Y00285 147280 GEN-61 Y00285 147280 GEN-61 Y00433 138320 GEN-7J	 H.saplens mRNA for E2F-5	H.sapiens mRNA for E2F-5 protein	H.saplens mRNA for E2F-5	H.sapiens mRNA for	nucleolar protein, HNP36 H.sapiens mRNA for	Diliverdir IX alpria reductase	H.sapiens mRNA for	biliverdin IX alpha reductase	H.sapiens mRNA for	Branched chain Acyi-CoA	H.sapiens mRNA for	Branched chain Acyl-CoA	Oxidase	P2 purinoceptor (P2Y6)	444	H.sapiens miking lot	ryanodine receptor z H.sapiens mRNA for	ryanodine receptor 2	IGF-2 receptor	Human mRNA for	glutathione peroxidase (EC	Human mRNA for	glutathione peroxidase (EC	1.11.1.9.)	Human mRNA for	glutathione peroxidase (EC	1.13.1.9.)	2.7				
X86097 E X86097 E X86097 E X86097 E X86097 E X93086 1 X93086 1 X95190 (X95		GEN-	GEN	GEN-	GEN-	284 2	GEN	48G	GEN	49₹	GEN.	49₹		GEN-	488	- L	4 A R	4CB	GEN-61	GEN-61	GEN-61	GEN-61	GEN-61	GEN-TJ		GEN-TJ			GEN-TJ		-	
	600967	296009	600967	602110	109750		109750		601641		601641			602451		180802			147280	147280	147280			138320								
X86097 X86097 X86097 X86681 X93086 X93086 X95190 X97058 RYR2 RYR2 RYR2 RYR2 RYR2 RYR2 RYR2 RYR		X86097	X86097	X86681	X93086		X93086		X95190		X95190			X97058		X98330	XQR330		Y00285	Y00285	Y00285	Y00285	Y00285	Y00433		Y00433			Y00433			
	X86097	X86097	X86097	X86681	X93086		X93086		X95190		X95190			X97058	!	RYR2	24	2	Y00285	Y00285	Y00285	Y00285	Y00285	GPX1		GPX1			GPX1			

ო	ო	တ	တ	N120D	တ	က	ო	က	က	K198N	E60D		တ	Ø	ဟ	ဟ	S1693N	R2164K	•	'n
730A>C	792A>C	426T>G	525C>T	358A>G	1179T>G	1690G>A	586C>T	711T>C	957G>T	594G>T	180G>C	٠.	552C>T	588A>G	3561T>G	3738C>T	5078G>A	6491G>A	. !	7471>C
1048	1110	509	809	430	1251	1762	785	910	1156	846	207		717	753	3641	3818	5158	6571		765
Human mRNA for glutathione peroxidase (EC	Human mRNA for glutathione peroxidase (EC	Human mRNA for 5-	Human mRNA for 5-	aminolevulinate synthase Human mRNA for Arg-	activator-inhibitor 2, PAI-2) Human mRNA for Arg-	Serpin (piasminogen activator-inhibitor 2, PAI-2) Human mRNA for Arg-	Serpin (plasminogen activator-inhibitor 2, PAI-2) Anticoagulant protein S	Anticoagulant protein S	Anticoagulant protein S	Endothelin 1	Human mRNA for	complement receptor type 1 (CR1, C3b/C4b receptor, C3b/C4b receptor, CD35)	H.sapiens mRNA for P2X3	purinoceptor H.sapiens mRNA for P2X3	purinoceptor H.sapiens mRNA for	mosaic protein LR11 H.sapiens mRNA for	mosaic protein LR11 H.sapiens mRNA for	mosaic protein LR11 H.sapiens mRNA for	mosaic protein LR11	Serotonin 5-HT receptors 5-HT4
GEN-TJ	GEN-TJ	GEN-TE	GEN-TE	GEN-U6	GEN-U6	GEN-U6	GFN-6K	GEN-6K	GEN-6K	GEN-P7	GEN-UG		GEN	GEN-	GEN-	GEN-TE	GEN-	A H	A.	GEN- 4EC
138320	138320	Y00451 125290	125290	173390	Y00630 173390	Y00630 173390	176880	176880	176880				600843	600843	602005	602005	602005	602005		602164
Y00433 138320	Y00433	Y00451	Y00451	Y00630	Y00630	Y00630	YOURGO	Y00692	Y00692	Y00749	Y00816		Y07683	Y07683	Y08110	Y08110	Y08110	Y08110		Y08756
GPX1	GPX1	ALAS1	ALAS1	PAI2	PA12	PAI2	YOUES	Y00692	Y00692	Y00749	CR1		Y07683	Y07683	Y08110	Y08110	Y08110	V08110	2	Y08756

H270R	R307Q	A348T	T357S	OABOR	H5010	V522I	ဟ	R578Q	Ø	G358D	က	c.)	က	c	7	1150S	Ø		D563A	ო		က	C703Y	
809A>G	920G>A	1042G>A	1070C>G	137945	15630>6	1564G>A	1602G>T	1733G>A	1746G>A	1073G>A	2748T>C	3055C>A		3353A>T	0	H356×A	449T>G	240T>C		1688A>C	2027G>A		2080T>G	2108G>A	
835	946	1068	1096	1405	7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	1590	1628	1759	1772	1116	2855	3162		3460		/87	449	246		1694	2033		2086	2135	
H.sapiens mRNA for P2X7	receptor H.sapiens mRNA for P2X7	receptor H.sapiens mRNA for P2X7	receptor H.sapiens mRNA for P2X7	receptor H saniens mRNA for P2X7	receptor mRNA for P2X7	H.sapiens mRNA for P2X7	receptor H.sapiens mRNA for P2X7	receptor H.sapiens mRNA for P2X7	receptor H.saplens mRNA for P2X7	receptor H.sapiens IL-13Ra mRNA	H.sapiens mRNA for iron	regulatory factor	regulatory factor	H.saplens mRNA for iron	regulatory factor	H.saplens 40 KDa protein kinase related to rat ERK2	H.sapiens 44kDa protein	H.sapiens mRNA for	protein kinase C zeta	H.sapiens mRNA for	protein kinase C zeta H.sapiens mRNA for	protein kinase C zeta	H.saplens mRNA for	protein kinase C zeta H.sapiens mRNA for	thrombospondin-4
GEN-	4F4 GEN-	GEN-	4F4 GEN-	4F4	4 F F 4	0.474 4.74	GEN-	4F4 GEN-	4F4 GEN-	4F4 GEN-1J6	GEN	1KO	, , ,	GEN-	2 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	GEN-1L1	GEN-1L0	GEN-	1TE	GER	GEN	1TE	GEN-	OEN-	22A
None	None	None	None	ou ol			None	None	None	300119	147581	147581		147581	1	176948	601795	176982		176982	176982		176982	600715	
Y09561	Y09561	Y09561	Y09561	V00564	V00561	Y09561	Y09561	Y09561	Y09561	Y10659	Z11559	711559	2	Z11559	1	211695	Z11696	Z15108		Z15108	Z15108		Z15108	Z19585	
Y09561	Y09561	Y09561	Y09561	VOOSE1	V00561	Y09561	Y09561	Y09561	Y09561	Y10659	IREB1	n Fan Fan		IREB1	1	589117	211696	Z15108	1	Z15108	215108		Z15108	Z19585	

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1050C>T	2484A>G	259G>T	280G>T	342C>A	454C>A	1007T>C	1030A>G	1227T>G	438C>T	467G>A	2665C>T	3169G>T	1994G>A	1104C>T	1590T>C	1659G>A
1119	2553	585	909	899	780	1333	1356	1553	437	466	2664	3168	1994	1141	1627	1696
H.saplens encoding CLA-1	H.sapiens encoding CLA-1	H.sapiens tropomyosin isoform mRNA, complete CDS	H.sapiens tropomyosin isoform mRNA, complète CDS	H.saplens tropomyosin isoform mRNA; complete CDS	H.sapiens tropomyosin isoform mRNA, complete CDS	H.sapiens tropomyosin isoform mRNA, complete CDS	H.sapiens tropomyosin isoform mRNA, complete CDS	H.saplens tropomyosin isoform mRNA, complete CDS	Phospholipase C beta-3	Phospholipase C beta-3	Phospholipase C beta-3	Phospholipase C beta-3	H.sapiens coprox gene for coproporphyrinogen oxidase	Endothelin Converting Enzyme 1	Endothelin Converting Enzyme 1	Endothelin Converting
GEN-264	GEN-264	GEN- 280	GEN- 285	GEN- 2B5	GEN- 2B5	GEN- 2B5	GEN- 2D8	GEN-	GEN-	GEN						
222555 601040	601040	Z24727 191010	600230	600230	600230	600230	121300	600423	600423	235307 600423						
Z22555	222555	Z24727	224727	Z24727	Z24727	Z24727	Z24727	Z24727	Z26649	Z26649	Z26649	Z26649	Z28409	Z35307	Z35307	Z35307
222555	Z22555	TPM1	Z26649	Z26649	Z26649	Z26649	CPO	ECE1	ECE1	ECE1						

			2MA	Enzyme 1	2.62			
ECE1	Z35307	235307 600423	GEN-	Endothelin Converting Fravme 1	1946	1909G>A	V637M	
ECE1	235307	235307 600423	GEN-	Endothelin Converting	2433	2396G>A	ဗ	
Z35491	Z35491	Z35491 601497	GEN- 2ME	H.saplens mRNA for novel glucocorticoid receptor-	315	37G>A	E13K	
Z35491	235491	235491 601497	GEN- 2ME	A. Sapiens mRNA for novel 333 glucocorticoid receptor-	333	55G>A	E19K	
Z 35491	235491	235491 601497	GEN- 2ME	A.saplens mRNA for novel 1297 glucocorticoid receptor-	1297	1019A>C	က	
Z48810	Z48810	Z48810 602664	GEN-	H.sapiens mRNA for TX	1280	1239A>C	က	
Z69881	Z69881	601929	GEN- 3JV	H. sapiens mRNA for 2023 adenosine triphosphatase, calcium	2023	2017G>A	A673T	
Z69881	269881	Z69881 601929	GEN- 3JV	H.sapiens mRNA for 3636 adenosine triphosphatase,	3636	3630C>G	က	

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Table 18. Identified	Variances in Genes or	Related Pathways	involved in Cancer and	Related Disorders

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SER252TER	SER44PHE	3-BP DEL LYS618DEL		frameshift	frameshift		HIS329PRO	truncated
		3-BP DEL	3.5-KB DEL	G-to-A intron 5 frameshift	splice junction 370:BP DEL frameshift	IVS14DS, 7-BP	DEL AND 4-BP INS	1784delT truncated
120436	120436	120436	120436	120436	120436	120436	120436	120436
U07418	U07418	U07418	U07418	U07418	U07418	U07418	U07418	U07418
human DNA mismatch	repair protein hMLH1/MutL human DNA mismatch	repair protein hMLH1/MutL human DNA mismatch	repair protein hMLH1/MutL human DNA mismatch	repair protein hMLH1/MutL human DNA mismatch	repair protein hMLH1/MutL human DNA mismatch	repair protein hMLH1/MutL human DNA mismatch	repair protein hMLH1/MutL human DNA mismatch	repair protein hMLHI/MutL human DNA mismatch

D-144141.

676C-T ARG226TER	GGG to TGG GLY67TRP	A>T codon 26	GG>AT 177 and 178	nt	Val384Asp	19	deletion of codon 618K	on 3 t	exon 5 missense
O929	GGG to TC	Y−Y	/<99	-93 nt	and the second of the second o	T insertion 3 splice site post exon 9	03.00	A-to-G transition exon 6	охэ
120436	120436	120436	120436	120436	120436	120436	120436	120436	120436
U07418	U07418	U07418	U07418	U07418	U07418	U07418	U07418	U07418	U07418
repair protein hMLHI/MutL human DNA mismatch repair protein	human DNA mismatch repair protein	human DNA mismatch repair protein	human DNA mismatch repair protein	hMLH1/MutL human DNA mismatch repair protein	hMLH1/MutL human DNA mismatch repair protein	hMLH1/MutL human DNA mismatch repair protein	human DNA mismatch repair protein	human DNA mismatch repair protein	human DNA mismatch repair protein

human DNA mismatch U07418 120436 exon 9 missense repair protein repair protein repair protein repair protein hMLH1/MutL 156569 GGA to AGA GLY160ARG ob alkylguanine-DNA M60761 156569 GGA to AGA GLY160ARG alkyltransferase class I aldehyde MZ6761 100640 none found dehydrogenase AF020918 ****** none found glutathione-S- AF020918 ****** P197L glutathione-S- AF02091 ****** P197L glutathione-S- L38503 600437 none found transferase GSTT1 glutathione-S- L38503 600437 glutathione peroxidase Y00433 138320 P197L glutathione peroxidase X68314 138319 A/T intron GPx2 glutathione peroxidase X68314 138319 TC repeats intron GPx3 GPx4 138322 none found glutathione peroxidase AJ005277 603435 none found GPx4																													
U07418 120436 U54831 126431 M60761 156569 M26761 100640 AF020918 ****** J05459 138390 3bp de X79389 600436 3bp de X79389 600437 7 Y00433 138320 7C X68314 138319 7C X58295 138321 7C X58295 138322 138322 AJ005277 603435 138322	n 0 missense		ted	3A GLY160ARG		pui		pui	-	. 9 u		'pe		pui		P197L		/C Silent		uo.		uo.		pu		nd		pu	
U54831 M60761 M26761 AF020918 J05459 X79389 L38503 Y00433 Y00433 X68314 X68314 X68314 X68314	Oxe		report	GGA to AC		none fou	: :	oo uoue ton		3bp deletion introl	•	null genoty		noue fon				1167I		. A/T intr		TC repeats intr		noue fon		noue fon		none fou	
	120436		126431	156569		100640	_	****		138390		600436		600437		138320		138320		138319		138319		138321		138322		603435	
human DNA mismatch repair protein hMLH1/MutL topoisomerase IIb O6 alkylguanine-DNA alkyltransferase class I aldehyde dehydrogenase glutathione-S- transferase GSTA4 glutathione-S- transferase GSTT1 glutathione-S- transferase GSTT7 glutathione peroxidase GPx1 glutathione peroxidase GPx2 glutathione peroxidase GPx2 glutathione peroxidase GPx2 glutathione peroxidase GPx3 glutathione peroxidase GPx5	1107418		U54831	M60761		M26761		AF020918		J05459		X79389		L38503		Y00433		Y00433		X68314		X68314		X58295		X71973		AJ005277	
	hMLH1/MutL	repair protein hMLH1/MutL	topoisomerase IIb	06 alkylguanine-DNA	alkyltransferase	class I aldehyde	dehydrogenase	glutathione-S-	transferase GSTA4	glutathione-S-	transferase GSTM3	glutathione-S-	transferase GSTT1	glutathione-S-	transferase GSTT2	glutathione peroxidase	GPx1	glutathione peroxidase	GPx1	glutathione peroxidase	GPx2	glutathione peroxidase	GPx2	glutathione peroxidase	GPx3	glutathione peroxidase	GPx4	glutathione peroxidase	GPx5

two polymorphisms	none found	none found	none found	,	Pilot Olon		intronic	polymorphism	2 RFLP's	5' trinucleotide	repeat	tyr33his	A->G 3'UTR	none found		none found		Triple tandem 5'end	tyr33his	none found	none found		none found		165-BP DEL	• •
. 138300	156565	176740	158343	601107			126060		126060	188350		188350	188350	603842		600424			188350	123920	136510		601509		274270	
X15722	M74905	J04718	L05628	1192650			J00140		300140	X02308		X02308	X02308	M33374		U19720	•		X02308	L27943	M98045		U55206		U09178	
glutathione reductase	N-methylpurine-DNA	glycosylase proliferating cell	nuclear antigen multidrug resistance	associated protein MRP1	associated protein	MRP2	dihydrofolate reductase		dihydrofolate reductase	thymidylate synthetase		thymidylate synthetase	thymidylate synthetase	human cell adhesion	protein SQM1	reduced folate carrier		thymidylale synthetase	thymidylate synthetase	cytidine deaminase	folylpolyglutamate	synthetase FPGS	gamma-glutamyl	hydrolase GGH	dihydropyrimidine	

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